Labor Market Estimating Conference
Executive Summary
October 25, 2022

The Labor Market Estimating Conference (LMEC) met on October 25, 2022, and adopted official information pursuant to Chapter 2021-164, Laws of Florida. Florida law tasks the LMEC with the development of detailed supply and demand projections for Florida's statewide, regional and local labor markets.

This Conference adopted the set of proposed documents and metrics included in Tab 1 and Tab 2 of the conference packet. These documents were developed using the methodology described in Tab 3 of the conference packet. Specifically, the following documents and metrics were formally adopted:

- "Representative Starting Wage", "Average Annual Wage", and "High-Level Wage Threshold" metrics for all occupations and by educational requirement
- "Critical Undersupply" definition for occupations that require an Associate's Degree or a Postsecondary Nondegree Award
- Statewide Wage Summary with summary results of wage comparisons by occupation
- Workforce Region Wage Summary with summary results of wage comparisons by occupation
- Statewide Wages by Detailed Occupation with wage metrics analysis by occupation
- Workforce Region Wages by Detailed Occupation with wage metrics analysis by occupation
- Critical Undersupply Summary for Florida statewide
- Critical Undersupply Detailed List by Occupation for Florida statewide
- Critical Undersupply Detailed List by Occupation for workforce regions

For Conference purposes, the "Representative Starting Wage" was defined to be the 10th percentile; the "Average Annual Wage" was the mean wage; while the "High-Level Wage Threshold" was defined as the 75th percentile. In addition, "Critical Undersupply" was identified for occupations where Supply was less than Demand in the last year of the forecast horizon (FY 2031-32). Addressing critical undersupply is deemed to be a high priority for the state since reasonable assumptions based on current and projected data fail to produce a current scenario where the need is met organically.

Future Conferences will continue to enhance the methodology used to identify the "Critical Undersupply" and expand the products to include occupations that have other educational requirements. A particular focus for the next Conference is the development of a more robust labor supply analysis.

Labor Market Estimating Conference

October 25, 2022

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Wage Metrics and Data

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Statewide Wage Summary

					Representative Starting Wage		Average Annual Wage		High-Level Wage Threshold	
	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
All Occupations	790	20,530	50,020	59,380	283	507	444	346	451	339
No formal educational credential	83	19,160	28,040	31,470	22.9%	77.1%	30.1%	69.9%	31.3%	68.7%
High school diploma or equivalent	234	22,200	42,430	50,240	37.6%	62.4%	74.4%	25.6%	73.5%	26.5%
Some college, no degree	48	21,770	40,290	48,230	31.3%	68.8%	27.1%	72.9%	27.1%	72.9%
Postsecondary nondegree award	85	23,930	42,240	50,620	27.1%	72.9%	32.9%	67.1%	34.1%	65.9%
Associate's degree	63	25,650	53,480	67,370	17.5%	82.5%	42.9%	57.1%	55.6%	44.4%
Bachelor's degree	172	34,890	80,570	96,750	46.5%	53.5%	61.6%	38.4%	58.1%	41.9%
Master's degree	42	34,490	78,040	99,590	47.6%	52.4%	61.9%	38.1%	71.4%	28.6%
Doctoral or professional degree	63	45,510	134,520	170,700	42.9%	57.1%	71.4%	28.6%	73.0%	27.0%

Workforce Region Wage Summary

Workforce Region 1	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	780	27,828	45,511	53,145	444	336	435	345	411	369
No formal educational credential	82	19,884	26,633	29,295	46.3%	53.7%	29.3%	70.7%	28.0%	72.0%
High school diploma or equivalent	225	25,372	39,614	46,891	68.0%	32.0%	72.9%	27.1%	71.1%	28.9%
Some college, no degree	48	22,192	38,259	45,041	25.0%	75.0%	37.5%	62.5%	27.1%	72.9%
Postsecondary nondegree award	85	27,306	39,665	46,948	47.1%	52.9%	30.6%	69.4%	29.4%	70.6%
Associate's degree	63	33,122	49,891	58,403	65.1%	34.9%	47.6%	52.4%	41.3%	58.7%
Bachelor's degree	172	38,480	71,174	85,746	52.9%	47.1%	60.5%	39.5%	58.7%	41.3%
Master's degree	42	47,631	74,010	86,352	64.3%	35.7%	59.5%	40.5%	50.0%	50.0%
Doctoral or professional degree	63	53,655	130,899	139,979	66.7%	33.3%	69.8%	30.2%	66.7%	33.3%

Workforce Region 2	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	772	29,589	47,900	56,308	486	286	460	312	446	326
No formal educational credential	80	20,224	27,636	31,018	50.0%	50.0%	36.3%	63.8%	30.0%	70.0%
High school diploma or equivalent	222	26,739	41,254	48,868	74.8%	25.2%	74.8%	25.2%	73.0%	27.0%
Some college, no degree	48	23,679	40,544	48,609	35.4%	64.6%	39.6%	60.4%	43.8%	56.3%
Postsecondary nondegree award	85	26,786	40,484	47,601	38.8%	61.2%	35.3%	64.7%	34.1%	65.9%
Associate's degree	63	35,185	52,798	61,547	68.3%	31.7%	54.0%	46.0%	50.8%	49.2%
Bachelor's degree	172	44,476	80,301	96,665	65.1%	34.9%	64.0%	36.0%	62.8%	37.2%
Master's degree	41	37,952	80,136	94,449	61.0%	39.0%	68.3%	31.7%	65.9%	34.1%
Doctoral or professional degree	61	63,817	126,598	138,184	82.0%	18.0%	72.1%	27.9%	70.5%	29.5%

Workforce Region 3	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	710	27,325	42,847	50,333	444	266	381	329	362	348
No formal educational credential	75	19,614	26,585	29,433	54.7%	45.3%	41.3%	58.7%	36.0%	64.0%
High school diploma or equivalent	192	25,424	38,810	46,017	80.7%	19.3%	78.1%	21.9%	75.0%	25.0%
Some college, no degree	46	22,228	31,323	36,116	37.0%	63.0%	13.0%	87.0%	21.7%	78.3%
Postsecondary nondegree award	79	25,072	35,719	41,245	44.3%	55.7%	26.6%	73.4%	25.3%	74.7%
Associate's degree	61	31,033	48,650	58,155	59.0%	41.0%	39.3%	60.7%	39.3%	60.7%
Bachelor's degree	166	36,301	63,214	76,125	54.2%	45.8%	54.2%	45.8%	49.4%	50.6%
Master's degree	35	40,243	64,956	77,427	68.6%	31.4%	57.1%	42.9%	51.4%	48.6%
Doctoral or professional degree	56	57,685	109,376	122,082	82.1%	17.9%	69.6%	30.4%	66.1%	33.9%

Workforce Region Wage Summary

Workforce Region 4	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	763	28,409	46,090	53,585	454	309	432	331	409	354
No formal educational credential	80	20,254	28,339	31,363	46.3%	53.8%	38.8%	61.3%	33.8%	66.3%
High school diploma or equivalent	219	26,087	41,029	47,881	70.3%	29.7%	74.0%	26.0%	70.8%	29.2%
Some college, no degree	47	21,714	34,682	40,321	34.0%	66.0%	29.8%	70.2%	27.7%	72.3%
Postsecondary nondegree award	83	25,501	37,938	44,488	38.6%	61.4%	28.9%	71.1%	30.1%	69.9%
Associate's degree	63	32,650	50,899	60,293	61.9%	38.1%	47.6%	52.4%	47.6%	52.4%
Bachelor's degree	172	40,404	74,523	90,277	57.6%	42.4%	59.9%	40.1%	55.8%	44.2%
Master's degree	39	46,805	75,164	88,715	69.2%	30.8%	61.5%	38.5%	53.8%	46.2%
Doctoral or professional degree	60	73,989	138,342	140,703	83.3%	16.7%	73.3%	26.7%	70.0%	30.0%

Workforce Region 5	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	778	29,323	47,829	55,049	460	318	424	354	396	382
No formal educational credential	81	19,570	26,314	29,028	45.7%	54.3%	33.3%	66.7%	29.6%	70.4%
High school diploma or equivalent	226	26,036	40,363	47,249	73.0%	27.0%	75.7%	24.3%	73.9%	26.1%
Some college, no degree	48	23,070	38,170	45,576	39.6%	60.4%	31.3%	68.8%	31.3%	68.8%
Postsecondary nondegree award	84	25,356	37,894	44,506	40.5%	59.5%	29.8%	70.2%	29.8%	70.2%
Associate's degree	63	31,545	48,396	56,531	60.3%	39.7%	34.9%	65.1%	30.2%	69.8%
Bachelor's degree	172	37,680	66,336	76,693	58.1%	41.9%	57.6%	42.4%	54.1%	45.9%
Master's degree	42	39,798	63,578	74,759	66.7%	33.3%	54.8%	45.2%	42.9%	57.1%
Doctoral or professional degree	62	52,296	105,519	115,801	62.9%	37.1%	67.7%	32.3%	56.5%	43.5%

Workforce Region 6	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	710	26,499	39,360	45,248	443	267	343	367	327	383
No formal educational credential	74	19,432	24,631	26,967	56.8%	43.2%	25.7%	74.3%	25.7%	74.3%
High school diploma or equivalent	202	25,539	36,870	42,233	81.2%	18.8%	69.3%	30.7%	65.8%	34.2%
Some college, no degree	46	21,602	30,577	35,519	37.0%	63.0%	15.2%	84.8%	15.2%	84.8%
Postsecondary nondegree award	78	23,608	34,078	38,749	41.0%	59.0%	24.4%	75.6%	24.4%	75.6%
Associate's degree	61	28,798	45,016	52,601	44.3%	55.7%	24.6%	75.4%	26.2%	73.8%
Bachelor's degree	164	38,109	64,992	77,068	58.5%	41.5%	54.9%	45.1%	51.2%	48.8%
Master's degree	35	38,659	65,096	79,921	68.6%	31.4%	54.3%	45.7%	54.3%	45.7%
Doctoral or professional degree	50	59,678	100,801	114,540	82.0%	18.0%	68.0%	32.0%	60.0%	40.0%

Workforce Region Wage Summary

Workforce Region 7	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	735	27,155	42,378	49,383	452	283	391	344	374	361
No formal educational credential	74	19,615	26,360	29,388	52.7%	47.3%	40.5%	59.5%	37.8%	62.2%
High school diploma or equivalent	209	25,038	38,368	44,289	72.7%	27.3%	72.7%	27.3%	69.4%	30.6%
Some college, no degree	46	21,962	30,604	33,456	32.6%	67.4%	10.9%	89.1%	6.5%	93.5%
Postsecondary nondegree award	80	24,872	37,567	44,196	46.3%	53.8%	32.5%	67.5%	33.8%	66.3%
Associate's degree	63	32,906	48,886	57,213	66.7%	33.3%	42.9%	57.1%	39.7%	60.3%
Bachelor's degree	168	36,066	62,771	75,325	54.8%	45.2%	51.2%	48.8%	51.2%	48.8%
Master's degree	36	43,348	67,740	78,757	75.0%	25.0%	66.7%	33.3%	52.8%	47.2%
Doctoral or professional degree	59	64,843	113,879	135,499	81.4%	18.6%	69.5%	30.5%	69.5%	30.5%

Workforce Region 8	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	787	29,883	49,942	58,596	453	334	461	326	455	332
No formal educational credential	82	20,103	27,292	30,290	42.7%	57.3%	29.3%	70.7%	30.5%	69.5%
High school diploma or equivalent	232	26,511	43,026	50,974	65.5%	34.5%	75.9%	24.1%	75.4%	24.6%
Some college, no degree	48	25,776	39,546	46,148	35.4%	64.6%	31.3%	68.8%	25.0%	75.0%
Postsecondary nondegree award	85	27,938	43,741	51,799	45.9%	54.1%	41.2%	58.8%	43.5%	56.5%
Associate's degree	63	35,589	54,819	64,223	52.4%	47.6%	49.2%	50.8%	47.6%	52.4%
Bachelor's degree	172	41,857	79,441	96,253	55.8%	44.2%	61.0%	39.0%	61.6%	38.4%
Master's degree	42	52,458	79,467	92,052	69.0%	31.0%	66.7%	33.3%	61.9%	38.1%
Doctoral or professional degree	63	69,156	140,269	148,531	82.5%	17.5%	74.6%	25.4%	69.8%	30.2%

Workforce Region 9	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	777	30,002	48,779	56,954	464	313	421	356	407	370
No formal educational credential	81	20,277	27,388	30,441	51.9%	48.1%	33.3%	66.7%	29.6%	70.4%
High school diploma or equivalent	224	24,932	39,341	45,923	64.3%	35.7%	71.9%	28.1%	69.6%	30.4%
Some college, no degree	48	24,791	36,834	43,415	41.7%	58.3%	25.0%	75.0%	25.0%	75.0%
Postsecondary nondegree award	85	27,129	39,635	45,631	49.4%	50.6%	32.9%	67.1%	29.4%	70.6%
Associate's degree	63	34,170	50,951	59,841	68.3%	31.7%	39.7%	60.3%	41.3%	58.7%
Bachelor's degree	172	38,973	68,307	82,904	55.8%	44.2%	55.8%	44.2%	55.8%	44.2%
Master's degree	42	43,868	74,309	86,126	66.7%	33.3%	66.7%	33.3%	59.5%	40.5%
Doctoral or professional degree	62	61,705	119,062	130,964	79.0%	21.0%	71.0%	29.0%	69.4%	30.6%

Workforce Region Wage Summary

Workforce Region 10	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	782	26,761	42,752	49,700	462	320	433	349	420	362
No formal educational credential	83	19,811	26,328	29,401	48.2%	51.8%	30.1%	69.9%	28.9%	71.1%
High school diploma or equivalent	229	24,747	38,475	44,643	68.6%	31.4%	74.2%	25.8%	69.4%	30.6%
Some college, no degree	48	21,471	34,162	38,425	27.1%	72.9%	22.9%	77.1%	20.8%	79.2%
Postsecondary nondegree award	85	25,599	37,172	44,345	37.6%	62.4%	28.2%	71.8%	36.5%	63.5%
Associate's degree	63	31,076	47,974	55,603	57.1%	42.9%	44.4%	55.6%	42.9%	57.1%
Bachelor's degree	172	37,695	69,515	83,654	61.0%	39.0%	60.5%	39.5%	57.6%	42.4%
Master's degree	39	48,830	77,819	93,324	69.2%	30.8%	66.7%	33.3%	66.7%	33.3%
Doctoral or professional degree	63	60,563	130,323	143,386	82.5%	17.5%	71.4%	28.6%	69.8%	30.2%

Workforce Region 11	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	776	27,129	43,490	50,189	427	349	425	351	409	367
No formal educational credential	79	20,088	26,878	30,030	44.3%	55.7%	31.6%	68.4%	30.4%	69.6%
High school diploma or equivalent	227	24,807	39,482	46,243	59.5%	40.5%	73.1%	26.9%	69.2%	30.8%
Some college, no degree	48	22,456	33,420	38,597	29.2%	70.8%	22.9%	77.1%	25.0%	75.0%
Postsecondary nondegree award	85	25,360	37,334	43,115	42.4%	57.6%	27.1%	72.9%	25.9%	74.1%
Associate's degree	63	32,299	47,502	55,439	58.7%	41.3%	41.3%	58.7%	46.0%	54.0%
Bachelor's degree	172	38,264	69,430	81,507	54.7%	45.3%	60.5%	39.5%	58.7%	41.3%
Master's degree	39	46,201	72,065	84,564	69.2%	30.8%	61.5%	38.5%	51.3%	48.7%
Doctoral or professional degree	63	61,882	127,019	136,249	77.8%	22.2%	73.0%	27.0%	69.8%	30.2%

Workforce Region 12	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	789	28,543	47,820	56,206	427	362	451	338	429	360
No formal educational credential	83	20,127	27,345	30,038	37.3%	62.7%	33.7%	66.3%	28.9%	71.1%
High school diploma or equivalent	233	25,840	41,871	48,953	61.4%	38.6%	73.8%	26.2%	71.7%	28.3%
Some college, no degree	48	25,160	40,354	47,056	37.5%	62.5%	35.4%	64.6%	33.3%	66.7%
Postsecondary nondegree award	85	27,203	41,844	49,969	38.8%	61.2%	34.1%	65.9%	35.3%	64.7%
Associate's degree	63	34,010	52,151	61,753	54.0%	46.0%	38.1%	61.9%	28.6%	71.4%
Bachelor's degree	172	42,292	82,042	99,822	58.1%	41.9%	64.5%	35.5%	63.4%	36.6%
Master's degree	42	49,502	75,710	87,761	71.4%	28.6%	64.3%	35.7%	54.8%	45.2%
Doctoral or professional degree	63	54,595	121,808	143,471	60.3%	39.7%	68.3%	31.7%	66.7%	33.3%

Workforce Region Wage Summary

Workforce Region 13	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	784	32,021	52,602	61,798	467	317	463	321	462	322
No formal educational credential	81	20,080	27,359	30,827	43.2%	56.8%	29.6%	70.4%	30.9%	69.1%
High school diploma or equivalent	231	26,158	41,968	49,733	63.6%	36.4%	74.9%	25.1%	73.6%	26.4%
Some college, no degree	48	25,407	39,004	45,936	39.6%	60.4%	33.3%	66.7%	31.3%	68.8%
Postsecondary nondegree award	85	27,347	39,915	46,532	34.1%	65.9%	29.4%	70.6%	31.8%	68.2%
Associate's degree	63	34,802	54,001	66,165	63.5%	36.5%	55.6%	44.4%	65.1%	34.9%
Bachelor's degree	172	49,021	86,237	104,115	69.8%	30.2%	66.9%	33.1%	67.4%	32.6%
Master's degree	41	46,727	75,513	88,689	68.3%	31.7%	63.4%	36.6%	53.7%	46.3%
Doctoral or professional degree	63	69,358	147,443	150,628	77.8%	22.2%	77.8%	22.2%	73.0%	27.0%

Workforce Region 14	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	787	30,203	50,544	59,017	436	351	448	339	427	360
No formal educational credential	81	20,277	28,473	32,512	38.3%	61.7%	32.1%	67.9%	32.1%	67.9%
High school diploma or equivalent	233	25,784	42,091	49,093	57.9%	42.1%	76.8%	23.2%	73.4%	26.6%
Some college, no degree	48	26,537	42,262	48,972	39.6%	60.4%	31.3%	68.8%	31.3%	68.8%
Postsecondary nondegree award	85	26,238	39,252	45,324	37.6%	62.4%	24.7%	75.3%	27.1%	72.9%
Associate's degree	63	33,519	50,750	58,884	54.0%	46.0%	34.9%	65.1%	34.9%	65.1%
Bachelor's degree	172	43,909	82,388	98,583	64.5%	35.5%	68.6%	31.4%	62.2%	37.8%
Master's degree	42	49,890	74,879	87,691	59.5%	40.5%	54.8%	45.2%	50.0%	50.0%
Doctoral or professional degree	63	71,951	133,990	144,209	77.8%	22.2%	69.8%	30.2%	66.7%	33.3%

Workforce Region 15	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	788	30,778	53,886	63,653	443	345	484	304	465	323
No formal educational credential	83	20,319	28,734	33,134	41.0%	59.0%	34.9%	65.1%	34.9%	65.1%
High school diploma or equivalent	232	27,017	45,308	53,328	65.9%	34.1%	81.9%	18.1%	78.9%	21.1%
Some college, no degree	48	27,801	43,663	50,360	45.8%	54.2%	35.4%	64.6%	37.5%	62.5%
Postsecondary nondegree award	85	25,557	41,166	49,318	28.2%	71.8%	34.1%	65.9%	32.9%	67.1%
Associate's degree	63	35,628	54,689	63,727	61.9%	38.1%	47.6%	52.4%	47.6%	52.4%
Bachelor's degree	172	44,041	85,817	103,321	59.9%	40.1%	68.0%	32.0%	65.1%	34.9%
Master's degree	42	46,627	77,358	90,923	64.3%	35.7%	64.3%	35.7%	52.4%	47.6%
Doctoral or professional degree	63	56,302	128,713	144,403	65.1%	34.9%	71.4%	28.6%	68.3%	31.7%

Workforce Region Wage Summary

Workforce Region 16	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	777	28,073	44,415	51,547	433	344	402	375	385	392
No formal educational credential	82	20,383	27,412	31,078	40.2%	59.8%	28.0%	72.0%	31.7%	68.3%
High school diploma or equivalent	225	25,551	39,674	46,294	62.7%	37.3%	67.6%	32.4%	66.2%	33.8%
Some college, no degree	48	21,855	35,424	40,975	37.5%	62.5%	25.0%	75.0%	27.1%	72.9%
Postsecondary nondegree award	85	26,161	38,774	45,226	36.5%	63.5%	31.8%	68.2%	28.2%	71.8%
Associate's degree	63	34,575	48,039	55,256	65.1%	34.9%	33.3%	66.7%	25.4%	74.6%
Bachelor's degree	172	39,752	70,436	84,145	52.9%	47.1%	57.6%	42.4%	54.1%	45.9%
Master's degree	39	41,604	69,909	82,685	66.7%	33.3%	56.4%	43.6%	51.3%	48.7%
Doctoral or professional degree	63	68,968	134,163	142,404	82.5%	17.5%	73.0%	27.0%	69.8%	30.2%

Workforce Region 17	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	783	28,146	45,661	53,257	468	315	456	327	443	340
No formal educational credential	83	20,531	27,938	30,898	49.4%	50.6%	39.8%	60.2%	37.3%	62.7%
High school diploma or equivalent	230	25,567	41,607	49,207	66.1%	33.9%	74.8%	25.2%	73.9%	26.1%
Some college, no degree	48	23,508	35,251	41,212	31.3%	68.8%	20.8%	79.2%	18.8%	81.3%
Postsecondary nondegree award	85	26,152	42,124	51,288	45.9%	54.1%	38.8%	61.2%	43.5%	56.5%
Associate's degree	63	35,738	53,063	63,013	71.4%	28.6%	50.8%	49.2%	47.6%	52.4%
Bachelor's degree	172	40,929	73,087	87,342	57.6%	42.4%	60.5%	39.5%	59.3%	40.7%
Master's degree	39	45,613	73,905	85,412	69.2%	30.8%	66.7%	33.3%	51.3%	48.7%
Doctoral or professional degree	63	69,509	133,994	136,228	79.4%	20.6%	73.0%	27.0%	69.8%	30.2%

Workforce Region 18	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	784	28,758	47,659	55,456	448	336	457	327	445	339
No formal educational credential	83	20,733	29,666	33,092	45.8%	54.2%	39.8%	60.2%	34.9%	65.1%
High school diploma or equivalent	231	26,419	42,178	49,592	63.2%	36.8%	75.8%	24.2%	75.8%	24.2%
Some college, no degree	48	25,070	40,625	47,203	39.6%	60.4%	29.2%	70.8%	27.1%	72.9%
Postsecondary nondegree award	85	27,326	40,114	45,865	41.2%	58.8%	27.1%	72.9%	25.9%	74.1%
Associate's degree	63	37,738	54,485	64,109	66.7%	33.3%	49.2%	50.8%	54.0%	46.0%
Bachelor's degree	172	41,017	78,813	94,789	52.9%	47.1%	62.2%	37.8%	59.9%	40.1%
Master's degree	39	49,835	83,018	98,474	69.2%	30.8%	69.2%	30.8%	66.7%	33.3%
Doctoral or professional degree	63	69,399	147,603	157,052	79.4%	20.6%	74.6%	25.4%	68.3%	31.7%

Workforce Region Wage Summary

Workforce Region 19	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	741	26,346	40,761	47,233	446	295	398	343	376	365
No formal educational credential	80	19,878	26,911	30,103	56.3%	43.8%	43.8%	56.3%	37.5%	62.5%
High school diploma or equivalent	207	24,672	37,348	43,480	73.4%	26.6%	73.9%	26.1%	70.5%	29.5%
Some college, no degree	47	20,059	28,715	32,794	25.5%	74.5%	10.6%	89.4%	10.6%	89.4%
Postsecondary nondegree award	80	24,321	37,470	43,954	45.0%	55.0%	33.8%	66.3%	35.0%	65.0%
Associate's degree	63	29,565	43,122	50,852	50.8%	49.2%	25.4%	74.6%	23.8%	76.2%
Bachelor's degree	168	37,039	63,898	76,602	55.4%	44.6%	56.5%	43.5%	53.6%	46.4%
Master's degree	37	38,339	67,915	83,099	70.3%	29.7%	62.2%	37.8%	56.8%	43.2%
Doctoral or professional degree	59	72,557	131,578	136,326	84.7%	15.3%	74.6%	25.4%	69.5%	30.5%

Workforce Region 20	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	780	28,260	46,302	53,922	442	338	444	336	437	343
No formal educational credential	82	20,529	28,174	31,473	48.8%	51.2%	32.9%	67.1%	32.9%	67.1%
High school diploma or equivalent	228	25,359	41,670	49,318	60.1%	39.9%	75.0%	25.0%	73.7%	26.3%
Some college, no degree	48	23,080	39,451	47,553	35.4%	64.6%	35.4%	64.6%	39.6%	60.4%
Postsecondary nondegree award	85	27,141	41,490	49,628	41.2%	58.8%	30.6%	69.4%	41.2%	58.8%
Associate's degree	63	33,333	49,407	56,940	60.3%	39.7%	41.3%	58.7%	39.7%	60.3%
Bachelor's degree	172	39,349	72,293	86,914	55.8%	44.2%	59.3%	40.7%	55.8%	44.2%
Master's degree	39	46,524	75,210	88,920	66.7%	33.3%	64.1%	35.9%	59.0%	41.0%
Doctoral or professional degree	63	79,942	152,029	153,177	84.1%	15.9%	79.4%	20.6%	69.8%	30.2%

Workforce Region 21	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	787	29,910	52,561	61,942	403	384	435	352	419	368
No formal educational credential	82	20,170	28,356	32,122	26.8%	73.2%	25.6%	74.4%	25.6%	74.4%
High school diploma or equivalent	232	26,769	44,785	52,963	55.6%	44.4%	72.0%	28.0%	69.4%	30.6%
Some college, no degree	48	26,942	43,587	50,813	39.6%	60.4%	31.3%	68.8%	27.1%	72.9%
Postsecondary nondegree award	85	26,427	40,974	48,708	28.2%	71.8%	24.7%	75.3%	27.1%	72.9%
Associate's degree	63	35,185	55,401	64,847	54.0%	46.0%	38.1%	61.9%	34.9%	65.1%
Bachelor's degree	172	43,470	89,119	108,037	58.1%	41.9%	68.6%	31.4%	65.7%	34.3%
Master's degree	42	46,047	77,956	92,632	64.3%	35.7%	57.1%	42.9%	52.4%	47.6%
Doctoral or professional degree	63	65,864	145,694	157,132	76.2%	23.8%	71.4%	28.6%	69.8%	30.2%

Workforce Region Wage Summary

Workforce Region 22	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	787	29,536	52,079	60,994	392	395	439	348	426	361
No formal educational credential	82	20,065	28,898	31,981	26.8%	73.2%	29.3%	70.7%	25.6%	74.4%
High school diploma or equivalent	232	26,695	45,156	53,405	56.9%	43.1%	73.3%	26.7%	71.6%	28.4%
Some college, no degree	48	26,056	42,297	48,535	41.7%	58.3%	29.2%	70.8%	25.0%	75.0%
Postsecondary nondegree award	85	28,189	44,489	52,762	42.4%	57.6%	34.1%	65.9%	36.5%	63.5%
Associate's degree	63	32,549	54,049	63,860	42.9%	57.1%	36.5%	63.5%	31.7%	68.3%
Bachelor's degree	172	42,857	84,591	101,947	54.7%	45.3%	64.0%	36.0%	63.4%	36.6%
Master's degree	42	41,839	76,270	90,415	47.6%	52.4%	57.1%	42.9%	50.0%	50.0%
Doctoral or professional degree	63	60,089	147,392	158,445	65.1%	34.9%	71.4%	28.6%	73.0%	27.0%

Workforce Region 23	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	790	29,420	52,382	61,659	380	410	434	356	422	368
No formal educational credential	83	19,973	28,392	31,743	31.3%	68.7%	31.3%	68.7%	31.3%	68.7%
High school diploma or equivalent	234	25,429	43,892	52,172	51.7%	48.3%	70.5%	29.5%	68.4%	31.6%
Some college, no degree	48	25,615	42,031	49,410	35.4%	64.6%	27.1%	72.9%	25.0%	75.0%
Postsecondary nondegree award	85	27,508	42,949	50,970	41.2%	58.8%	30.6%	69.4%	35.3%	64.7%
Associate's degree	63	32,057	52,620	63,027	47.6%	52.4%	36.5%	63.5%	34.9%	65.1%
Bachelor's degree	172	43,843	87,121	104,479	54.7%	45.3%	64.5%	35.5%	62.8%	37.2%
Master's degree	42	42,124	75,478	90,877	50.0%	50.0%	54.8%	45.2%	47.6%	52.4%
Doctoral or professional degree	63	58,559	137,497	153,829	57.1%	42.9%	74.6%	25.4%	69.8%	30.2%

Workforce Region 24	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	788	28,787	47,661	55,179	453	335	464	324	451	337
No formal educational credential	83	21,169	29,900	33,699	45.8%	54.2%	39.8%	60.2%	38.6%	61.4%
High school diploma or equivalent	233	26,808	44,351	51,647	67.8%	32.2%	79.0%	21.0%	76.4%	23.6%
Some college, no degree	48	24,945	41,452	48,541	37.5%	62.5%	27.1%	72.9%	29.2%	70.8%
Postsecondary nondegree award	85	27,141	42,052	49,784	35.3%	64.7%	35.3%	64.7%	34.1%	65.9%
Associate's degree	63	35,877	53,434	61,783	60.3%	39.7%	44.4%	55.6%	42.9%	57.1%
Bachelor's degree	172	42,078	78,495	93,184	53.5%	46.5%	61.0%	39.0%	59.3%	40.7%
Master's degree	41	47,569	78,219	93,479	73.2%	26.8%	63.4%	36.6%	63.4%	36.6%
Doctoral or professional degree	63	67,756	138,481	146,590	77.8%	22.2%	71.4%	28.6%	68.3%	31.7%

Statewide Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	57,340	193,640	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	41,820	107,820	135,560	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	18,710	72,090	105,410	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-2011	Advertising and Promotions Managers	48,530	110,670	128,520	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	58,400	133,200	168,810	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	54,220	134,400	170,430	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	55,120	111,090	129,400	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	45,100	93,660	115,140	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	79,550	146,600	174,560	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	62,180	136,350	167,500	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	58,160	113,100	138,200	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	61,490	117,710	146,070	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	49,300	97,310	120,230	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	65,930	106,570	126,280	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	58,910	113,630	136,270	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	58,300	109,190	133,280	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	36,960	79,460	84,240	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9021	Construction Managers	54,440	105,530	125,430	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	27,170	44,830	51,940	Yes	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	50,100	87,240	103,780	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	47,190	97,950	116,060	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	42,330	79,540	99,370	Yes	Yes	Yes	Master's degree	Yes	Yes	No
11-9041	Architectural and Engineering Managers	85,570	141,720	167,840	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	31,130	58,310	69,800	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	46,070	88,020	96,800	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	34,150	65,820	76,210	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	52,700	110,130	127,940	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	51,870	94,320	116,610	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	71,750	88,390	97,510	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	32,040	62,350	72,550	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	41,120	71,480	85,680	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9161	Emergency Management Directors	48,380	82,820	100,290	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	42,130	81,930	100,250	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	48,320	102,200	129,750	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	34,120	85,560	102,890	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	35,530	65,200	81,130	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	38,750	65,640	80,750	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	49,040	68,730	80,590	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	32,370	68,620	90,370	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	36,490	65,350	80,600	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1071	Human Resources Specialists	34,810	61,430	74,930	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	36,960	79,460	84,240	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	18,930	58,910	79,880	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	35,910	68,960	86,870	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1111	Management Analysts	37,260	84,120	101,110	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	25,510	50,340	61,260	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	27,700	55,940	69,630	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	34,570	57,520	67,280	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	27,100	60,630	77,390	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	28,120	62,110	76,090	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	33,310	73,430	92,580	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	40,800	74,960	88,100	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2020	Property Appraisers and Assessors	26,100	55,500	69,220	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	45,310	74,330	89,430	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	45,890	83,030	99,070	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	31,030	102,850	126,410	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	34,560	70,120	89,100	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	46,060	83,380	100,560	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	33,230	50,260	53,250	Yes	Yes	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	30,290	76,060	90,910	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,330	48,640	56,370	Yes	No	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	19,260	47,100	61,070	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	38,860	76,370	89,930	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1211	Computer Systems Analysts	47,750	87,960	106,030	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	51,850	95,190	120,700	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	73,070	119,970	140,150	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	34,400	66,030	80,880	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	29,820	51,790	62,050	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	60,640	108,220	131,710	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	48,530	82,570	100,160	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1245	Database Administrators and Architects	47,180	96,300	123,180	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	45,910	80,070	98,980	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	54,310	100,030	123,140	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	33,620	67,810	83,950	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Statewide Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	33,090	79,140	103,480	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-2011	Actuaries	49,440	116,770	144,000	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	70,430	105,580	119,400	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	35,680	70,640	89,890	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-2041	Statisticians	29,510	72,280	95,300	Yes	Yes	Yes	Master's degree	No	No	No
15-2098	Data Scientists and Mathematical Science Occupations, All Other	51,600	92,930	118,450	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	46,690	83,720	101,700	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	42,920	72,280	90,980	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1021	Cartographers and Photogrammetrists	43,950	67,870	80,620	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	33,470	65,700	82,440	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	66,760	109,540	130,570	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	43,730	80,670	99,750	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	62,340	91,130	109,410	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	50,040	97,690	123,530	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	50,440	89,090	107,880	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	63,590	102,610	124,360	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	59,190	99,240	121,180	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	66,430	102,350	119,400	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	41,390	81,950	100,970	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	47,060	83,520	103,570	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	53,460	86,370	103,510	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	48,470	80,310	96,010	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2131	Materials Engineers	50,960	96,170	117,210	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	51,350	89,700	111,800	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	73,510	118,140	144,610	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	86,080	108,570	122,630	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	73,990	160,710	197,590	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	51,380	98,510	124,440	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	36,080	55,240	64,130	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
17-3012	Electrical and Electronics Drafters	23,390	52,250	64,850	Yes	Yes	Yes	Associate's degree	No	No	No
17-3013	Mechanical Drafters	35,510	60,720	74,420	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	33,550	55,190	63,630	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	40,720	68,660	88,560	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	30,910	52,020	64,730	Yes	Yes	Yes	Associate's degree	Yes	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	32,060	60,250	75,060	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	33,190	53,140	61,670	Yes	Yes	Yes	Associate's degree	Yes	No	No
17-3025	Environmental Engineering Technologists and Technicians	27,150	43,730	52,350	Yes	No	No	Associate's degree	Yes	No	No
17-3026	Industrial Engineering Technologists and Technicians	34,340	54,820	65,090	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
17-3027	Mechanical Engineering Technologists and Technicians	31,390	55,330	71,330	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3031	Surveying and Mapping Technicians	26,960	45,230	53,750	Yes	No	No	Associate's degree	Yes	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	37,820	59,830	71,110	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	41,580	64,790	77,560	Yes	Yes	Yes	Master's degree	Yes	No	No
19-1012	Food Scientists and Technologists	32,100	58,170	73,210	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	31,840	72,260	98,070	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1021	Biochemists and Biophysicists	44,100	79,890	90,980	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	36,210	62,810	76,680	Yes	Yes	Yes	Master's degree	Yes	No	No
19-1023	Zoologists and Wildlife Biologists	32,430	53,100	59,760	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	38,090	71,260	92,070	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1031	Conservation Scientists	33,830	69,570	86,950	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1032	Foresters	46,440	75,880	97,050	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-1041	Epidemiologists	32,910	55,230	68,770	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	41,450	87,930	104,320	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	50,420	104,310	130,820	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	85,670	146,180	165,980	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	No
19-2012	Physicists	85,670	146,180	165,980	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	No
19-2021	Atmospheric and Space Scientists	59,200	98,990	116,350	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	36,280	64,950	79,820	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-2032	Materials Scientists	49,670	103,200	134,200	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	34,760	60,490	68,030	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	51,860	90,550	115,040	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	46,910	95,750	112,520	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	47,480	117,170	137,160	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	52,890	94,380	106,450	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	29,510	72,280	95,300	Yes	Yes	Yes	Master's degree	No	No	No
19-3031	Clinical, Counseling, and School Psychologists	38,910	77,410	88,210	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	29,510	72,280	95,300	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	46,110	97,940	115,560	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
19-3041	Sociologists	53,040	75,760	91,900	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	41,950	71,340	86,010	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3091	Anthropologists and Archeologists	32,910	55,230	68,770	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	64,010	84,060	97,300	Yes	Yes	Yes	Master's degree	Yes	Yes	No
19-3093	Historians	24,970	58,590	86,040	Yes	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists	62,650	99,630	114,850	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	54,670	83,020	98,080	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	19,290	36,480	44,180	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	27,790	44,480	55,240	Yes	No	No	Bachelor's degree	No	No	No

Statewide Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
19-4031	Chemical Technicians	31,370	50,970	61,470	Yes	Yes	Yes	Associate's degree	Yes	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	26,160	46,670	53,350	Yes	No	No	Associate's degree	Yes	No	No
19-4045	Geological and Hydrologic Technicians	26,320	46,560	56,380	Yes	No	No	Associate's degree	Yes	No	No
19-4051	Nuclear Technicians	70,430	96,300	109,150	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	26,960	53,790	62,370	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	31,220	47,010	56,210	Yes	No	No	Associate's degree	Yes	No	No
19-4092	Forensic Science Technicians	33,930	54,570	65,100	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	21,010	48,130	60,570	Yes	No	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	34,460	67,780	85,320	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	27,030	50,250	65,150	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	31,810	52,770	63,140	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	29,960	42,460	49,960	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	22,240	35,290	40,870	Yes	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	27,870	45,960	53,160	Yes	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	23,830	36,300	40,440	Yes	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	27,360	45,490	55,630	Yes	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	33,850	54,250	64,330	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	26,320	44,740	52,960	Yes	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	34,910	52,770	66,730	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
21-1091	Health Education Specialists	30,230	58,770	74,380	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	31,420	40,260	44,600	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	22,100	36,150	42,220	Yes	No	No	Some college, no degree	Yes	No	No
21-1094	Community Health Workers	26,330	41,990	49,470	Yes	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	28,460	42,680	49,790	Yes	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	28,390	54,730	63,910	Yes	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	25,620	46,810	56,390	Yes	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	19,630	43,500	57,670	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	52,020	139,160	174,960	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-1012	Judicial Law Clerks	30,320	51,350	58,090	Yes	Yes	No	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	38,850	102,570	125,610	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	25,540	71,280	100,830	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	146,070	187,780	171,300	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	32,720	52,100	62,060	Yes	Yes	Yes	Associate's degree	Yes	No	No
23-2093	Title Examiners, Abstractors, and Searchers	33,730	52,540	61,430	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	26,670	57,960	61,920	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
25-1011	Business Teachers, Postsecondary	59,500	109,170	128,390	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1021	Computer Science Teachers, Postsecondary	46,690	98,840	123,710	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1022	Mathematical Science Teachers, Postsecondary	42,680	83,190	109,790	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	26,520	90,690	113,170	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	54,160	110,700	135,600	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	55,440	104,570	127,280	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1042	Biological Science Teachers, Postsecondary	42,340	90,070	110,290	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	69,040	113,150	133,080	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	47,750	95,160	117,890	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1052	Chemistry Teachers, Postsecondary	52,360	88,060	104,010	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1053	Environmental Science Teachers, Postsecondary	23,430	75,240	88,320	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	48,830	94,740	119,710	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	58,240	93,090	105,190	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	43,410	80,410	97,670	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	59,500	109,170	128,390	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1064	Geography Teachers, Postsecondary	52,520	87,420	102,970	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1065	Political Science Teachers, Postsecondary	52,990	94,200	106,130	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1066	Psychology Teachers, Postsecondary	42,000	81,600	97,360	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	43,040	81,250	99,070	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	44,150	84,140	111,630	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	57,470	116,650	124,450	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	57,470	116,650	124,450	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	42,450	68,440	81,220	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	43,890	71,010	83,690	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	39,750	89,510	97,460	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	56,200	152,130	201,630	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	36,880	74,760	88,000	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	33,410	99,090	113,340	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	41,600	72,510	85,680	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	31,260	76,770	106,340	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	47,330	86,010	110,850	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1125	History Teachers, Postsecondary	29,160	83,290	95,780	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	45,150	93,640	110,110	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	42,450	68,440	81,220	Yes	Yes	Yes	Master's degree	Yes	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	33,370	67,220	81,520	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	31,730	55,970	66,340	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	22,950	55,880	70,240	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,150	29,820	31,830	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	35,810	57,920	69,120	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2021	Elementary School Teachers, Except Special Education	33,150	57,520	72,530	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	39,980	59,820	71,540	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	29,970	59,040	75,410	Yes	Yes	Yes	Bachelor's degree	No	No	No

Statewide Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	39,190	61,530	73,830	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	43,640	65,230	74,220	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	32,050	62,200	79,120	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	40,930	63,950	77,230	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2057	Special Education Teachers, Middle School	41,020	59,630	69,990	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	41,780	63,060	75,540	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	28,020	51,830	63,010	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	31,750	47,090	58,140	Yes	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	19,820	41,300	53,760	No	No	No	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	18,890	29,620	31,150	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	20,810	45,450	59,620	Yes	No	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	27,330	43,550	50,730	Yes	No	No	Master's degree	No	No	No
25-4012	Curators	28,940	55,200	62,830	Yes	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	22,870	41,260	49,710	Yes	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	33,510	57,190	68,200	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	25,520	37,060	41,060	Yes	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	19,060	38,270	48,480	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	33,530	62,150	76,730	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	19,140	38,130	49,200	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	19,510	28,320	31,130	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	23,460	50,140	63,980	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	46,890	95,840	103,420	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	18,340	32,780	39,360	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	19,220	47,420	63,490	No	No	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	42,680	65,810	78,220	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	30,380	85,700	104,770	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	39,880	67,590	78,920	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1022	Fashion Designers	32,390	62,570	72,360	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	21,600	31,810	36,710	Yes	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	30,250	51,610	62,630	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	24,490	53,310	63,260	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	21,140	34,900	38,540	Yes	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	22,610	49,210	61,110	Yes	No	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	32,100	58,710	67,340	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	21,424	44,242	49,213	Yes	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	32,890	73,220	86,520	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	18,720	71,000	83,520	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	19,780	45,560	53,480	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	18,740	39,330	46,940	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	20,134	55,328	81,245	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	18,470	38,930	59,120	No	No	No	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	18,840	66,070	76,840	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,949	89,731	125,798	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,950	26,030	30,290	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	19,910	59,560	73,190	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	28,800	63,390	73,530	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	32,200	58,300	71,040	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	24,630	55,490	64,860	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	34,400	62,640	77,140	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	28,420	68,230	71,390	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	23,320	54,640	69,900	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	19,390	51,150	84,060	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	19,140	44,950	55,940	No	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	27,310	49,890	61,290	Yes	No	Yes	Associate's degree	Yes	No	No
27-4012	Broadcast Technicians	22,060	46,730	57,050	Yes	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	23,610	56,510	64,910	Yes	Yes	Yes	Associate's degree	No	Yes	No
27-4021	Photographers	19,190	36,590	40,480	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	23,420	49,860	62,000	Yes	No	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	31,880	53,980	65,040	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	24,730	81,260	105,500	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	34,830	84,750	95,890	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	89,560	180,920	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	64,294	236,661	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1023	Orthodontists	89,560	180,920	208,000	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	80,841	216,398	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	57,270	175,310	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1031	Dietitians and Nutritionists	40,510	61,630	72,650	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041	Optometrists	45,220	106,450	134,080	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	81,170	121,310	140,920	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1071	Physician Assistants	64,170	108,820	131,380	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	53,860	132,710	181,980	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
29-1122	Occupational Therapists	53,530	85,670	101,220	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	48,460	85,410	101,730	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1124	Radiation Therapists	57,720	84,840	98,440	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1125	Recreational Therapists	28,240	51,110	60,940	Yes	Yes	Yes	Bachelor's degree	No	No	No

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May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
29-1126	Respiratory Therapists	46,410	60,150	66,080	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
29-1127	Speech-Language Pathologists	48,300	81,000	98,720	Yes	Yes	Yes	Master's degree	Yes	Yes	No
29-1128	Exercise Physiologists	35,530	54,150	66,490	Yes	Yes	Yes	Master's degree	Yes	No	No
29-1129	Therapists, All Other	31,760	51,520	60,300	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	58,870	112,680	126,010	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	50,220	69,510	79,630	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	135,840	176,760	182,170	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	21,900	67,530	99,020	Yes	Yes	Yes	Master's degree	No	No	No
29-1171	Nurse Practitioners	56,800	101,060	118,820	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	44,220	73,760	83,290	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	137,148	273,370	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	94,830	204,390	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	50,980	209,690	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1218	Obstetricians and Gynecologists	124,720	245,570	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	58,830	158,270	197,220	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1223	Psychiatrists	46,890	201,530	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	54,150	220,450	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	52,010	244,830	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1292	Dental Hygienists	45,550	67,870	78,810	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	21,670	67,340	81,180	Yes	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	28,500	52,970	66,080	Yes	Yes	Yes	Associate's degree	Yes	No	No
29-2031	Cardiovascular Technologists and Technicians	26,110	49,550	67,940	Yes	No	Yes	Associate's degree	Yes	No	Yes
29-2032	Diagnostic Medical Sonographers	48,000	68,010	78,840	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	57,640	76,230	85,980	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	37,650	57,600	67,760	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	47,160	66,900	78,100	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	22,480	35,950	40,870	Yes	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	20,710	29,880	32,340	Yes	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	25,830	34,880	38,910	Yes	No	No	Postsecondary nondegree award	Yes	No	No
29-2053	Psychiatric Technicians	22,720	33,110	37,810	Yes	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	32,360	46,710	54,570	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	24,210	35,510	40,340	Yes	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	27,390	40,950	48,280	Yes	No	No	Postsecondary nondegree award	Yes	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	35,160	46,710	51,540	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	23,320	42,400	56,360	Yes	No	No	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	37,140	76,460	90,310	Yes	Yes	Yes	Master's degree	Yes	No	No
29-2092	Hearing Aid Specialists	29,100	63,350	73,180	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	27,220	43,750	52,200	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	33,300	48,850	55,470	Yes	No	No	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	59,490	80,700	93,020	Yes	Yes	Yes	Master's degree	Yes	Yes	No
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	28,760	59,240	73,840	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	19,780	25,410	27,920	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,530	28,660	31,880	Yes	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	21,260	28,330	31,130	Yes	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	25,570	30,020	32,000	Yes	No	No	High school diploma or equivalent	Yes	No	No
31-2011	Occupational Therapy Assistants	51,000	67,540	78,470	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	19,490	28,350	32,250	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	36,310	62,960	74,650	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	19,490	28,350	32,250	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	19,770	40,530	50,050	No	No	No	Postsecondary nondegree award	No	No	No
31-9091	Dental Assistants	28,730	41,170	48,520	Yes	No	No	Postsecondary nondegree award	Yes	No	No
31-9092	Medical Assistants	26,830	34,800	39,260	Yes	No	No	Postsecondary nondegree award	Yes	No	No
31-9093	Medical Equipment Preparers	24,160	34,160	39,180	Yes	No	No	High school diploma or equivalent	Yes	No	No
31-9094	Medical Transcriptionists	20,560	33,900	38,990	Yes	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	21,530	32,590	38,940	Yes	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	21,100	29,980	35,080	Yes	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	26,500	34,710	39,140	Yes	No	No	Postsecondary nondegree award	Yes	No	No
31-9099	Healthcare Support Workers, All Other	26,830	34,800	39,260	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-1011	First-Line Supervisors of Correctional Officers	34,350	47,910	49,410	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	53,450	88,850	107,250	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	46,360	81,420	101,080	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	26,910	48,030	59,460	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	30,210	52,720	64,820	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	43,920	61,940	66,640	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	29,650	35,050	38,290	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	32,880	46,740	54,150	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,760	45,540	54,220	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	38,520	80,360	106,780	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	21,210	28,460	30,740	Yes	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	27,620	42,880	50,290	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	41,180	62,680	76,710	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	45,010	64,840	76,980	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	27,130	38,770	43,830	Yes	No	No	Postsecondary nondegree award	Yes	No	No
33-9021	Private Detectives and Investigators	33,360	49,340	60,130	Yes	No	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	25,030	34,740	39,370	Yes	No	No	High school diploma or equivalent	Yes	No	No

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9032	Security Guards	20,420	29,850	31,820	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	20,800	28,120	31,370	Yes	No	No	No formal educational credential	Yes	Yes	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	19,420	28,830	31,670	No	No	No	No formal educational credential	Yes	Yes	Yes
33-9093	Transportation Security Screeners	35,810	42,470	45,340	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	20,720	34,940	40,170	Yes	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	28,870	55,330	68,470	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	22,110	37,920	45,700	Yes	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,560	22,020	23,840	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	19,690	27,980	31,660	No	No	No	No formal educational credential	Yes	No	Yes
35-2013	Cooks, Private Household	21,050	30,160	35,380	Yes	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	20,480	29,500	33,150	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	19,670	26,560	30,360	No	No	No	No formal educational credential	Yes	No	No
35-2019	Cooks, All Other	21,670	30,550	35,930	Yes	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	19,530	26,470	30,320	No	No	No	No formal educational credential	Yes	No	No
35-3011	Bartenders	18,660	26,610	29,490	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,720	22,420	24,080	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,720	26,860	30,340	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	18,930	23,910	25,670	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,770	23,200	24,780	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	19,040	23,550	25,850	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,840	23,680	25,720	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	18,920	27,500	30,740	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	25,210	40,260	48,610	Yes	No	No	High school diploma or equivalent	Yes	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	29,330	49,830	61,170	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,470	28,000	31,000	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,380	24,790	26,940	No	No	No	No formal educational credential	Yes	No	No
37-2019	Building Cleaning Workers, All Other	21,580	36,500	52,740	Yes	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	24,420	39,200	46,720	Yes	No	No	High school diploma or equivalent	Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	21,210	30,220	34,240	Yes	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	22,630	34,030	39,360	Yes	No	No	High school diploma or equivalent	Yes	No	No
37-3013	Tree Trimmers and Pruners	22,230	36,120	45,460	Yes	No	No	High school diploma or equivalent	Yes	No	No
37-3019	Grounds Maintenance Workers, All Other	26,180	35,840	39,640	Yes	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	36,500	56,040	66,110	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	27,030	47,120	55,930	Yes	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	21,870	39,770	45,720	Yes	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	19,540	28,150	30,590	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	18,430	25,090	28,310	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	19,700	27,550	31,110	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	20,140	34,660	35,800	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	19,070	29,920	32,790	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	19,060	25,480	28,290	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,850	24,040	25,540	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	26,190	56,300	73,360	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	19,460	27,660	31,530	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,950	26,030	30,290	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	33,900	56,920	58,000	Yes	Yes	No	Associate's degree	Yes	Yes	No
39-4021	Funeral Attendants	21,300	29,970	31,670	Yes	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	31,670	54,890	61,310	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
39-5011	Barbers	21,910	31,810	37,850	Yes	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,300	30,440	35,350	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	36,410	70,670	81,540	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	20,280	27,040	29,780	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	19,260	26,330	30,380	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	21,070	36,090	41,670	Yes	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	18,830	24,970	28,490	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	21,060	29,010	32,210	Yes	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	22,070	32,720	35,880	Yes	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,030	26,000	28,120	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	19,180	38,470	48,740	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	19,790	29,610	33,320	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	20,830	31,300	37,380	Yes	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	18,840	28,220	31,240	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	27,000	47,350	56,850	Yes	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	42,690	85,200	105,410	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,210	24,170	25,870	No	No	No	No formal educational credential	Yes	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,990	28,620	35,380	No	No	No	No formal educational credential	No	Yes	Yes
41-2021	Counter and Rental Clerks	19,770	30,830	35,690	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	20,030	34,090	38,630	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,410	29,120	31,520	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	22,140	56,610	73,280	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-3021	Insurance Sales Agents	27,460	61,570	65,670	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	35,430	77,650	84,710	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
41-3041	Travel Agents	19,990	40,410	49,690	No	No	No	Some college, no degree	No	Yes	Yes
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	24,840	62,550	75,790	Yes	Yes	Yes	Bachelor's degree	No	No	No

Statewide Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	33,160	91,910	122,830	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	26,500	65,820	80,470	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	20,700	39,240	49,350	Yes	No	No	No formal educational credential	Yes	Yes	Yes
41-9012	Models	20,700	39,240	49,350	Yes	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	26,740	66,820	69,560	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	19,990	61,120	70,660	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	56,110	111,670	144,210	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	19,690	27,810	30,590	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	18,800	27,570	29,950	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,350	36,110	38,940	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	33,620	58,780	68,520	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	21,140	30,620	34,300	Yes	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	24,130	31,410	32,630	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-2099	Communications Equipment Operators, All Other	29,530	40,870	48,320	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	26,610	37,510	41,070	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	27,460	38,330	43,090	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	26,000	42,370	49,640	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	19,840	27,960	31,600	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	29,450	44,150	51,220	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	30,450	43,260	50,230	Yes	No	No	Associate's degree	Yes	No	No
43-3071	Tellers	27,070	35,000	39,170	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	30,640	46,840	54,760	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	35,350	54,310	64,880	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	29,280	41,870	48,690	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	28,710	41,590	47,650	Yes	No	No	Some college, no degree	Yes	Yes	No
43-4041	Credit Authorizers, Checkers, and Clerks	28,460	43,320	49,700	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	22,520	35,490	40,200	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4061	Eligibility Interviewers, Government Programs	26,820	36,250	43,240	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4071	File Clerks	22,230	34,330	40,490	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	19,720	26,430	29,570	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	19,960	36,680	41,710	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	20,040	28,430	31,780	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	26,100	43,360	51,990	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	29,790	40,700	46,290	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	23,100	35,120	39,810	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	27,380	40,740	47,640	Yes	No	No	Associate's degree	Yes	No	No
43-4171	Receptionists and Information Clerks	21,040	30,430	35,360	Yes	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	23,740	42,130	58,270	Yes	No	No	High school diploma or equivalent	Yes	No	Yes
43-4199	Information and Record Clerks, All Other	29,040	42,360	49,220	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5011	Cargo and Freight Agents	27,110	44,520	51,340	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	21,180	32,360	37,610	Yes	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	29,200	44,480	51,850	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5032	Dispatchers, Except Police, Fire, and Ambulance	24,030	37,700	43,610	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5041	Meter Readers, Utilities	26,350	41,910	49,520	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,760	52,040	63,000	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,060	53,490	65,030	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	34,440	51,610	62,980	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	26,780	46,040	56,140	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	22,950	34,440	39,910	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	26,530	36,690	41,650	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	32,540	55,480	66,840	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	30,010	47,560	57,910	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	26,080	35,150	39,480	Yes	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	22,450	36,830	43,930	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-9021	Data Entry Keyers	21,990	32,920	37,710	Yes	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	20,310	32,850	39,210	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	28,770	52,920	57,830	Yes	Yes	No	Associate's degree	Yes	No	No
43-9041	Insurance Claims and Policy Processing Clerks	27,670	42,070	47,570	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	20,580	31,640	37,240	Yes	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	20,060	35,690	41,460	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	20,360	33,390	38,810	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	26,610	42,330	56,120	Yes	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	32,800	55,310	67,770	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	23,600	41,770	49,430	Yes	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	31,300	55,760	61,390	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	20,510	37,310	47,200	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	21,870	39,770	45,720	Yes	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	25,640	33,900	38,060	Yes	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	23,180	33,550	38,350	Yes	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	18,990	24,600	25,560	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	20,980	32,240	41,320	Yes	No	No	No formal educational credential	Yes	Yes	Yes
45-2099	Agricultural Workers, All Other	19,660	29,000	29,300	No	No	No	No formal educational credential	Yes	Yes	No
45-3031	Fishing and Hunting Workers	20,980	32,240	41,320	Yes	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	36,240	41,380	44,960	Yes	No	No	Postsecondary nondegree award	Yes	No	No

Statewide Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-4021	Fallers	27,420	37,560	41,190	Yes	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	18,790	36,250	46,160	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	23,090	33,330	38,810	Yes	No	No	High school diploma or equivalent	Yes	No	No
45-4029	Logging Workers, All Other	19,730	47,390	59,690	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	38,690	63,170	75,550	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	35,070	51,900	60,900	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	29,390	42,790	49,880	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2022	Stonemasons	32,910	39,550	43,580	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	27,340	42,070	49,610	Yes	No	No	Postsecondary nondegree award	Yes	No	No
47-2041	Carpet Installers	18,720	32,610	42,070	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	24,020	40,000	52,100	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	26,160	35,800	40,890	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	26,250	39,280	45,690	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	25,840	39,800	47,080	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	34,020	44,790	50,370	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	22,620	34,040	38,690	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	26,740	37,560	40,440	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	33,670	50,650	60,340	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	27,880	42,520	48,570	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2081	Drywall and Ceiling Tile Installers	23,230	37,360	45,610	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	18,910	41,120	50,390	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	29,450	45,880	52,790	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	27,200	42,260	50,850	Yes	No	No	High school diploma or equivalent	Yes	No	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	27,450	39,390	46,310	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	29,260	39,890	46,140	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	26,830	37,690	40,990	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	33,020	47,880	61,290	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	28,220	39,380	44,830	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	29,680	45,590	52,180	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	22,860	37,780	45,710	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	31,630	45,470	52,290	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	22,480	36,500	44,840	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	26,600	42,500	50,420	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	27,360	44,170	52,190	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	25,510	36,110	40,390	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	22,210	30,500	35,720	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	22,370	32,480	37,990	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	22,740	31,210	35,970	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	20,700	28,230	32,890	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	23,350	31,290	35,130	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-3016	Helpers--Roofers	24,700	34,200	39,150	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	23,060	31,590	36,340	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	35,950	61,130	74,510	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	41,430	77,660	97,780	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	25,730	38,490	47,280	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	27,020	39,800	47,200	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	23,110	35,520	40,730	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	34,250	48,150	55,210	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	25,790	38,270	41,320	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-4090	Miscellaneous Construction and Related Workers	27,360	38,910	44,020	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	23,700	34,300	40,110	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	34,370	45,270	51,240	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	24,940	54,210	70,070	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	26,200	41,250	47,820	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-5041	Continuous Mining Machine Operators	36,300	57,770	68,920	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining	36,300	57,770	68,920	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-5044	Loading and Moving Machine Operators, Underground Mining	36,300	57,770	68,920	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	30,670	37,500	39,800	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	34,370	45,270	51,240	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	23,700	34,300	40,110	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	26,460	45,860	53,320	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	35,670	56,790	72,830	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	36,830	64,100	77,960	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	24,810	39,350	47,570	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	31,350	57,750	73,670	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	34,140	57,300	73,140	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	34,070	58,910	71,580	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	28,310	43,370	51,320	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	33,820	55,080	69,380	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	35,090	54,890	64,660	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	42,460	71,800	91,180	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	25,540	38,050	45,400	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-2097	Audiovisual Equipment Installers and Repairers	24,270	44,000	55,850	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	28,370	45,230	54,810	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Statewide Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-3011	Aircraft Mechanics and Service Technicians	34,350	68,120	88,640	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	26,510	49,890	58,130	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	21,880	37,500	43,240	Yes	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	23,500	43,860	55,170	Yes	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	33,010	49,920	59,890	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	26,580	42,510	51,540	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	34,680	49,990	58,830	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	36,580	56,100	63,630	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	28,270	50,100	63,310	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	25,660	36,880	43,410	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	23,170	36,800	43,920	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	22,350	30,090	34,230	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-3092	Recreational Vehicle Service Technicians	27,370	48,030	60,660	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	21,090	31,370	37,080	Yes	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	24,330	40,320	47,430	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	31,560	50,780	60,200	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	29,210	45,450	53,160	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	26,480	40,560	48,490	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-9041	Industrial Machinery Mechanics	31,920	51,400	62,130	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	25,080	39,790	48,890	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-9044	Millwrights	32,160	50,180	61,880	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	23,950	33,950	38,510	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-9051	Electrical Power-Line Installers and Repairers	34,010	59,600	77,490	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	30,520	46,020	52,310	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	19,450	41,540	54,990	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	27,460	51,460	64,380	Yes	Yes	Yes	Associate's degree	Yes	No	No
49-9063	Musical Instrument Repairers and Tuners	23,750	35,320	40,260	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-9064	Watch and Clock Repairers	21,940	43,810	54,410	Yes	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	38,380	56,890	65,200	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	24,420	38,390	45,170	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-9081	Wind Turbine Service Technicians	45,040	73,750	89,600	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	19,550	30,840	37,290	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	33,940	50,360	51,150	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	26,210	41,070	50,540	Yes	No	No	High school diploma or equivalent	Yes	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	21,360	29,400	32,130	Yes	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	32,610	49,230	59,600	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	39,710	66,320	79,840	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	20,890	31,240	36,560	Yes	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	24,320	40,650	48,710	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	35,050	61,050	73,770	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	19,270	41,320	53,390	No	No	No	Postsecondary nondegree award	No	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	18,770	35,850	50,020	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	21,620	33,130	37,840	Yes	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	25,610	30,340	31,830	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	25,710	36,520	41,760	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2051	Fiberglass Laminators and Fabricators	26,000	36,020	40,100	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters	27,430	35,270	40,660	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2090	Miscellaneous Assemblers and Fabricators	21,060	32,850	38,670	Yes	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	21,050	30,160	35,380	Yes	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	22,030	35,340	41,660	Yes	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	21,760	31,170	37,010	Yes	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	22,420	28,630	31,430	Yes	No	No	No formal educational credential	Yes	Yes	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	25,640	33,900	38,060	Yes	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	19,830	30,430	35,170	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	19,480	28,110	32,640	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	21,200	27,370	30,700	Yes	No	No	No formal educational credential	Yes	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	25,820	35,640	40,470	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	26,470	35,750	39,560	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	26,650	36,670	42,890	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	21,950	32,670	38,040	Yes	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	33,530	55,150	67,340	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,200	32,800	38,210	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	23,090	38,130	44,830	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	33,830	44,560	50,570	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4041	Machinists	27,560	43,560	52,070	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	30,720	42,460	49,380	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal	26,270	41,470	49,710	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4061	Model Makers, Metal and Plastic	33,530	55,150	67,340	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	29,930	53,350	62,990	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Statewide Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4071	Foundry Mold and Coremakers	21,500	37,760	47,920	Yes	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	21,220	33,610	39,480	Yes	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	25,630	36,280	39,830	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4111	Tool and Die Makers	29,930	53,350	62,990	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	28,910	43,780	49,870	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	25,250	35,670	40,960	Yes	No	No	Postsecondary nondegree award	Yes	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	22,430	34,910	40,150	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4192	Layout Workers, Metal and Plastic	28,740	45,860	57,050	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	28,600	38,950	42,160	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	26,330	36,010	39,900	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4199	Metal Workers and Plastic Workers, All Other	21,310	34,280	38,970	Yes	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	22,860	38,730	46,240	Yes	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	20,260	34,390	41,260	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	20,980	31,890	38,430	Yes	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	19,150	24,320	26,800	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	19,150	24,470	27,780	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	19,220	28,000	31,700	No	No	No	No formal educational credential	Yes	No	Yes
51-6041	Shoe and Leather Workers and Repairers	19,810	31,000	37,310	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	19,070	29,860	36,030	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	21,200	28,540	34,000	Yes	No	No	No formal educational credential	Yes	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	20,030	29,720	34,740	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	25,800	31,110	35,380	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	21,180	31,390	36,840	Yes	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	19,070	26,450	30,120	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	21,080	45,250	70,440	Yes	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	38,120	68,920	82,110	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	18,830	29,610	31,500	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	24,120	39,020	46,330	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	18,710	27,560	33,670	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	25,090	37,450	44,400	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Furniture Finishers	19,910	36,920	45,760	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood	29,930	53,350	62,990	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood	33,530	55,150	67,340	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	21,760	30,780	34,230	Yes	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	21,240	32,940	39,130	Yes	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	22,840	40,840	56,850	Yes	No	No	High school diploma or equivalent	Yes	No	Yes
51-8011	Nuclear Power Reactor Operators	70,430	96,300	109,150	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	50,840	81,380	102,020	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	45,040	73,750	89,600	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	39,050	58,300	65,800	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	28,050	48,660	59,140	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	31,870	51,970	63,260	Yes	Yes	Yes	Associate's degree	Yes	No	No
51-8092	Gas Plant Operators	33,100	47,960	57,610	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	30,400	51,300	59,710	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	39,190	59,910	64,170	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	26,760	44,720	56,560	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	24,680	38,380	46,230	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	23,900	36,030	41,510	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9022	Grinding and Polishing Workers, Hand	23,060	33,560	38,030	Yes	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	25,490	36,570	40,870	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9031	Cutters and Trimmers, Hand	21,000	35,450	42,250	Yes	No	No	No formal educational credential	Yes	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	23,440	34,890	40,970	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	23,850	33,990	38,610	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	23,020	32,960	37,940	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	24,080	44,540	53,200	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	24,450	45,240	57,710	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9081	Dental Laboratory Technicians	22,120	42,370	51,800	Yes	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	25,580	46,150	54,230	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	22,070	34,280	38,690	Yes	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	19,710	30,070	35,520	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	19,720	32,850	42,360	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	26,300	40,020	45,630	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians	28,390	41,820	49,030	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9151	Photographic Process Workers and Processing Machine Operators	24,190	42,030	50,370	Yes	No	No	High school diploma or equivalent	Yes	No	Yes
51-9161	Computer Numerically Controlled Tool Operators	26,470	39,720	47,120	Yes	No	No	Postsecondary nondegree award	Yes	No	No
51-9162	Computer Numerically Controlled Tool Programmers	35,500	54,440	63,880	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
51-9191	Adhesive Bonding Machine Operators and Tenders	21,580	34,690	42,040	Yes	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	23,940	34,700	39,860	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	21,710	37,150	45,900	Yes	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	18,690	26,720	33,210	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	23,950	33,950	38,510	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	25,730	36,810	41,420	Yes	No	No	High school diploma or equivalent	Yes	No	No

Statewide Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9197	Tire Builders	26,230	37,740	45,820	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9198	Helpers--Production Workers	20,180	29,160	32,650	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	20,130	31,320	35,450	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	34,800	63,650	79,010	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	33,160	56,250	67,990	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	98,180	229,730	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	43,130	126,440	158,350	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	69,510	122,650	152,000	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	25,420	46,630	60,410	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	30,800	58,240	67,270	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	21,920	29,180	31,670	Yes	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,000	28,440	34,300	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	25,910	43,140	51,560	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	20,240	37,390	45,010	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	24,110	36,790	42,700	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19,450	29,020	33,230	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,100	30,650	36,670	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	53,550	67,240	74,070	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	54,040	67,900	77,290	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	34,760	56,790	67,890	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	54,040	67,900	77,290	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	22,390	42,190	59,460	Yes	No	Yes	High school diploma or equivalent	Yes	No	Yes
53-4099	Rail Transportation Workers, All Other	28,970	55,350	72,250	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	23,840	41,150	48,760	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	22,360	81,110	105,770	Yes	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	19,980	43,920	55,950	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	32,900	73,390	89,900	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	25,690	39,940	49,040	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-6021	Parking Attendants	19,060	24,700	28,370	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	20,190	27,800	31,250	No	No	No	No formal educational credential	Yes	No	No
53-6041	Traffic Technicians	28,810	47,870	55,560	Yes	No	No	Associate's degree	Yes	No	No
53-6051	Transportation Inspectors	52,630	92,480	122,480	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	18,800	24,590	26,510	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	22,550	33,200	38,900	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-7011	Conveyor Operators and Tenders	20,010	33,970	40,750	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	35,800	61,060	74,220	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	34,140	48,180	55,940	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	26,980	41,560	43,680	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	26,290	38,430	45,300	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	19,450	27,320	30,700	No	No	No	No formal educational credential	Yes	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,020	31,920	36,190	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	20,010	32,470	38,810	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	19,590	25,370	26,250	No	No	No	No formal educational credential	Yes	No	No
53-7065	Stockers and Order Fillers	20,720	29,120	33,230	Yes	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	35,130	65,210	78,400	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	20,300	40,730	48,520	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	25,080	39,790	48,890	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-7081	Refuse and Recyclable Material Collectors	26,400	40,200	47,570	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	20,010	33,970	40,750	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7199	Material Moving Workers, All Other	22,740	42,610	54,210	Yes	No	No	No formal educational credential	Yes	Yes	Yes

Statewide Wages by Detailed Occupation

Wage Metrics

	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage	**Number of SOCs by Educational Requirement**
0	All Occupations	20,530	50,020	59,380	
1	No formal educational credential	19,160	28,040	31,470	83
2	High school diploma or equivalent	22,200	42,430	50,240	234
3	Some college, no degree	21,770	40,290	48,230	48
4	Postsecondary nondegree award	23,930	42,240	50,620	85
5	Associate's degree	25,650	53,480	67,370	63
6	Bachelor's degree	34,890	80,570	96,750	172
7	Master's degree	34,490	78,040	99,590	42
8	Doctoral or professional degree	45,510	134,520	170,700	63

* indicates a wage equal to or greater than $100.00 per hour or $208,000 per year

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	283	507	444	346	451	339
No formal educational credential	22.9%	77.1%	30.1%	69.9%	31.3%	68.7%
High school diploma or equivalent	37.6%	62.4%	74.4%	25.6%	73.5%	26.5%
Some college, no degree	31.3%	68.8%	27.1%	72.9%	27.1%	72.9%
Postsecondary nondegree award	27.1%	72.9%	32.9%	67.1%	34.1%	65.9%
Associate's degree	17.5%	82.5%	42.9%	57.1%	55.6%	44.4%
Bachelor's degree	46.5%	53.5%	61.6%	38.4%	58.1%	41.9%
Master's degree	47.6%	52.4%	61.9%	38.1%	71.4%	28.6%
Doctoral or professional degree	42.9%	57.1%	71.4%	28.6%	73.0%	27.0%

Workforce Region 1 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	43,596	170,701	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	38,746	85,402	101,065	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	38,289	90,953	124,417	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2011	Advertising and Promotions Managers	45,149	102,961	119,567	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	48,846	133,282	184,169	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	42,835	107,841	132,094	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	46,950	78,970	92,496	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	39,266	74,399	92,279	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	65,750	110,026	145,564	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	54,624	101,469	126,817	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	59,247	114,076	143,693	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	48,228	86,354	100,709	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	37,485	79,343	109,798	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3111	Compensation and Benefits Managers	63,811	94,175	118,417	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	55,382	85,303	93,256	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	57,423	102,844	100,990	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	34,385	73,925	78,372	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
11-9021	Construction Managers	18,560	68,363	87,738	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	33,242	45,745	53,065	Yes	Yes	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	53,319	86,529	103,459	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	43,903	91,127	107,975	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9039	Education Administrators, All Other	47,583	91,724	115,551	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9041	Architectural and Engineering Managers	89,347	153,441	182,356	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	35,518	58,817	74,088	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	42,861	81,889	90,057	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	27,953	55,876	79,668	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	61,158	98,457	113,758	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	57,762	91,494	112,520	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	66,752	82,233	90,717	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	32,657	55,633	65,420	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	39,738	64,074	75,341	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9161	Emergency Management Directors	45,010	77,051	93,304	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	47,744	87,060	99,544	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	52,451	100,477	124,860	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	31,743	79,600	95,723	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	34,979	59,263	73,704	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	34,565	54,447	70,733	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	45,624	63,942	74,976	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	32,176	61,430	84,391	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	39,051	64,321	74,592	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1071	Human Resources Specialists	31,933	56,953	68,951	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	17,611	54,806	74,316	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	56,432	77,230	87,899	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1111	Management Analysts	41,974	77,753	94,626	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	21,147	39,838	47,571	No	No	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	28,570	46,117	51,618	Yes	Yes	No	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	34,477	57,332	62,532	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	29,372	52,345	60,702	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	27,046	56,134	64,967	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	32,705	66,510	83,202	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	23,861	63,940	85,543	No	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	41,699	61,235	72,136	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2031	Budget Analysts	47,457	70,118	83,243	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	59,618	96,593	84,382	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
13-2052	Personal Financial Advisors	30,936	56,653	49,961	Yes	Yes	No	Bachelor's degree	No	No	No
13-2053	Insurance Underwriters	32,153	65,235	82,893	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	44,089	70,794	83,501	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2071	Credit Counselors	32,258	38,195	40,346	Yes	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	28,180	70,762	84,577	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,319	43,693	53,157	Yes	No	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	17,918	43,819	56,816	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	39,421	72,965	90,974	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1211	Computer Systems Analysts	33,728	63,508	82,553	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1212	Information Security Analysts	61,865	102,526	127,102	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	67,980	111,613	130,387	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	28,750	49,792	60,582	Yes	Yes	Yes	Associate's degree	No	No	Yes
15-1232	Computer User Support Specialists	27,304	43,269	50,945	No	No	No	Postsecondary nondegree award	No	Yes	Yes
15-1241	Computer Network Architects	30,978	90,666	122,356	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1244	Network and Computer Systems Administrators	42,134	66,655	78,368	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1245	Database Administrators and Architects	56,081	99,209	123,164	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	36,890	69,586	81,919	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	56,344	95,107	115,841	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	18,467	41,908	50,758	No	No	No	Associate's degree	No	No	No

Workforce Region 1 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	34,926	85,489	106,449	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2011	Actuaries	45,996	108,636	133,969	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	65,524	98,225	111,083	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	34,098	70,773	106,149	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-2041	Statisticians	71,245	91,500	103,225	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	48,006	86,456	110,199	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	36,097	73,626	94,062	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-1012	Landscape Architects	39,930	67,245	84,642	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1021	Cartographers and Photogrammetrists	43,562	57,794	66,984	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	26,749	43,116	51,726	No	No	No	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	62,109	101,909	121,474	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	40,684	75,051	92,801	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	57,997	84,782	101,788	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	75,796	115,045	138,239	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	54,270	97,579	99,583	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	54,662	86,366	116,689	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	51,552	89,177	112,058	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	67,884	93,645	111,721	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	56,164	76,860	84,402	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	46,606	74,030	90,049	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	53,836	90,403	111,953	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	45,094	74,716	89,322	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	47,410	89,471	109,045	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	53,100	85,057	106,694	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	68,389	109,910	134,536	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	80,084	101,007	114,088	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	68,836	149,515	183,826	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	48,500	92,566	110,623	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	33,892	51,584	62,113	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	21,761	48,610	60,333	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	32,980	60,149	78,748	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3019	Drafters, All Other	31,213	51,345	59,198	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	37,883	63,877	82,391	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	34,091	49,630	57,724	Yes	Yes	Yes	Associate's degree	Yes	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	35,691	68,242	79,808	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	30,878	49,438	57,374	Yes	Yes	Yes	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	25,259	40,684	48,703	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	31,948	51,001	60,556	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	29,203	51,476	66,361	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	25,306	41,375	48,872	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	43,172	67,226	77,735	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	38,684	60,277	72,157	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	29,864	54,118	68,110	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	29,622	67,226	91,238	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1021	Biochemists and Biophysicists	41,028	74,325	84,642	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	33,688	58,435	71,338	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	29,420	40,000	43,394	Yes	No	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	36,978	73,441	93,350	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1031	Conservation Scientists	31,473	64,724	80,893	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1032	Foresters	43,205	70,594	90,289	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-1041	Epidemiologists	30,617	51,383	63,979	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	38,563	81,805	97,053	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	46,908	97,044	121,707	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	79,702	135,997	154,418	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	79,702	135,997	154,418	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	55,076	92,094	108,245	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	42,699	79,771	99,990	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2032	Materials Scientists	46,210	96,011	124,852	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	28,970	43,351	47,265	Yes	No	No	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	48,247	84,242	107,026	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	43,642	89,080	104,682	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	44,173	109,008	127,605	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	49,206	87,805	99,035	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	27,454	67,245	88,661	No	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	62,281	80,714	87,867	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
19-3032	Industrial-Organizational Psychologists	27,454	67,245	88,661	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	42,898	91,117	107,510	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	49,345	70,483	85,498	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	33,618	53,622	62,422	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	30,617	51,383	63,979	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	59,551	78,204	90,522	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	23,231	54,509	80,046	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists	58,286	92,690	106,850	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	59,961	88,828	101,789	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	17,946	33,939	41,102	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	32,245	41,058	47,572	Yes	No	No	Bachelor's degree	No	No	No

Workforce Region 1 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
19-4031	Chemical Technicians	30,545	56,545	73,755	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-4042	Environmental Science and Protection Technicians, Including Health	20,845	31,613	38,368	No	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	24,487	43,317	52,453	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	65,524	89,592	101,547	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	25,082	50,043	58,025	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	29,045	43,735	52,294	Yes	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	31,425	50,272	61,641	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	23,483	43,825	55,693	No	No	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	38,855	70,942	90,414	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-5012	Occupational Health and Safety Technicians	26,304	59,666	77,260	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	27,710	40,485	43,680	No	No	No	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	33,573	43,116	50,702	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	18,863	32,066	39,449	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	33,970	51,865	59,003	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	21,196	33,543	39,163	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	29,416	48,329	63,004	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	36,441	56,132	63,982	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	32,980	44,559	52,125	Yes	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	40,022	60,431	83,217	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
21-1091	Health Education Specialists	34,904	53,223	70,546	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	29,231	37,455	41,493	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	26,349	37,178	41,599	No	No	No	Some college, no degree	Yes	No	No
21-1094	Community Health Workers	28,053	36,201	38,834	Yes	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	26,680	39,280	46,120	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	29,085	51,564	69,894	Yes	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	26,474	48,272	58,421	No	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	18,263	40,470	53,653	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	50,536	116,140	140,136	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
23-1012	Judicial Law Clerks	28,208	47,773	54,043	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	36,144	95,425	116,860	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	23,761	66,315	93,806	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	135,895	174,699	159,367	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	31,198	46,303	55,128	Yes	Yes	Yes	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	31,380	48,880	57,151	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	21,773	37,705	51,900	No	No	No	Associate's degree	No	No	No
25-1011	Business Teachers, Postsecondary	55,355	101,565	119,446	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1021	Computer Science Teachers, Postsecondary	43,438	91,955	115,092	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	39,707	77,395	102,142	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	24,673	84,373	105,287	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	50,387	102,989	126,154	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	51,578	97,286	118,414	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	39,391	83,796	102,607	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	64,231	105,268	123,810	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	44,424	88,531	109,678	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	48,713	81,926	96,765	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	21,798	69,999	82,168	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	45,429	88,140	111,371	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	54,183	86,605	97,862	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	40,386	74,809	90,866	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	55,355	101,565	119,446	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1064	Geography Teachers, Postsecondary	48,861	81,330	95,797	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	49,299	87,638	98,737	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	39,074	75,916	90,578	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	40,042	75,590	92,169	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	41,075	78,279	103,854	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	53,467	108,524	115,781	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	53,467	108,524	115,781	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	39,493	63,672	75,562	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	40,833	66,063	77,860	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	36,981	83,275	90,671	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	52,285	141,533	187,584	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	34,311	69,552	81,870	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	31,083	92,187	105,445	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	38,702	67,459	79,712	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	29,082	71,422	98,932	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	44,033	80,019	103,128	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	27,129	77,488	89,108	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	42,005	87,117	102,440	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	39,493	63,672	75,562	Yes	Yes	Yes	Master's degree	No	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	34,318	50,648	58,338	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	29,520	52,071	61,719	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	21,351	51,987	65,347	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	19,791	28,557	31,108	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	33,315	53,885	64,305	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	35,796	61,611	75,001	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	35,160	55,068	68,416	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	27,882	54,927	70,157	Yes	Yes	Yes	Bachelor's degree	No	No	No

Workforce Region 1 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	36,460	57,244	68,687	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	40,600	60,686	69,050	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	29,817	57,867	73,609	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	38,079	59,495	71,850	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	38,163	55,476	65,114	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	38,870	58,667	70,278	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	26,068	48,220	58,621	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	34,559	49,045	58,459	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	31,415	47,053	50,700	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
25-3031	Substitute Teachers, Short-Term	20,949	36,163	31,464	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	25,254	63,659	83,529	No	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	25,426	40,516	47,196	No	No	No	Master's degree	No	No	No
25-4012	Curators	21,172	43,317	57,423	No	No	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	21,277	38,386	46,247	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	39,015	62,898	78,273	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	22,218	33,072	38,531	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	23,690	38,241	45,211	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	30,709	73,940	94,945	Yes	Yes	Yes	Master's degree	No	No	Yes
25-9044	Teaching Assistants, Postsecondary	17,807	35,474	45,773	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	19,561	36,335	40,778	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	34,802	46,740	54,675	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	65,262	119,811	124,290	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	17,062	30,497	36,618	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	17,881	44,117	59,067	No	No	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	39,707	61,226	72,771	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	28,264	79,730	97,472	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	37,102	62,882	73,422	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	30,134	58,211	67,319	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	21,610	29,935	34,992	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	29,021	47,683	59,518	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	50,955	80,021	93,134	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1026	Merchandise Displayers and Window Trimmers	24,424	32,330	35,445	No	No	No	Some college, no degree	Yes	No	No
27-1027	Set and Exhibit Designers	21,035	45,782	56,853	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	29,864	54,620	62,649	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	19,932	41,160	45,785	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	41,897	60,374	75,888	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-2021	Athletes and Sports Competitors	17,416	66,054	77,702	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	23,805	47,030	60,429	No	Yes	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	17,435	36,590	43,670	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	18,732	51,474	75,585	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	17,183	36,218	55,002	No	No	Yes	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	17,528	61,468	71,487	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	17,629	83,481	117,035	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	17,630	24,217	28,180	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,523	55,411	68,092	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	26,794	58,974	68,408	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	33,055	57,382	74,168	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	20,530	50,116	63,853	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	44,007	67,215	80,657	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-3043	Writers and Authors	26,440	63,477	66,417	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	46,952	68,207	80,264	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,039	47,587	78,204	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	18,230	20,750	20,010	No	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	25,468	43,260	50,009	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	19,998	38,517	48,066	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	21,965	52,574	60,388	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	22,303	34,284	39,326	No	No	No	Some college, no degree	Yes	No	No
27-4031	Camera Operators, Television, Video, and Film	21,789	46,387	57,681	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	29,659	50,220	60,509	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	23,007	75,599	98,151	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	33,532	73,287	84,140	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	118,391	224,102	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	59,393	218,621	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1023	Orthodontists	83,321	168,317	193,511	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	74,678	199,902	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	53,281	163,098	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	41,432	56,776	66,322	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041	Optometrists	78,529	137,968	160,680	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1051	Pharmacists	69,337	125,464	151,298	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
29-1071	Physician Assistants	72,953	99,195	107,581	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	148,753	240,479	169,303	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1122	Occupational Therapists	45,493	81,512	100,045	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-1123	Physical Therapists	56,353	86,432	101,664	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1124	Radiation Therapists	68,570	87,956	100,933	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
29-1125	Recreational Therapists	26,273	47,550	56,695	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	47,809	56,875	61,829	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	53,773	72,854	89,725	Yes	Yes	Yes	Master's degree	Yes	No	Yes
29-1128	Exercise Physiologists	33,055	50,378	61,858	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	40,507	65,735	81,587	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1131	Veterinarians	69,760	104,191	125,272	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	46,167	62,678	70,920	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	136,135	151,188	165,988	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,374	62,826	92,122	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	79,661	101,188	108,117	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	41,140	68,622	77,488	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	126,694	252,531	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	130,192	277,799	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	47,429	195,083	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	116,032	228,464	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	54,732	147,245	183,482	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1223	Psychiatrists	43,624	293,725	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	24,262	208,194	*	No	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	48,387	227,775	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	49,042	62,714	66,018	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	20,160	62,649	75,525	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	28,437	51,216	63,313	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	23,806	49,375	64,885	No	Yes	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	43,077	57,895	65,475	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	64,335	82,589	95,352	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	32,161	52,157	61,372	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	40,912	62,690	73,550	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	26,386	33,789	38,207	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	19,267	27,799	30,087	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	24,993	34,740	39,472	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	21,095	28,758	31,600	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	34,058	44,099	49,498	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	27,753	35,722	39,491	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	25,266	30,998	34,923	No	No	No	Postsecondary nondegree award	No	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	34,613	43,816	48,868	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	26,314	42,821	52,547	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	58,810	85,747	100,756	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-2092	Hearing Aid Specialists	27,073	58,937	68,082	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	26,505	42,399	50,387	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-9091	Athletic Trainers	30,980	45,447	51,606	Yes	No	No	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	55,346	75,078	86,540	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	26,790	39,037	47,636	No	No	No	Postsecondary nondegree award	No	No	Yes
31-1120	Home Health and Personal Care Aides	19,832	24,823	26,910	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,135	26,390	29,327	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	19,779	26,357	28,961	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	23,789	27,929	29,771	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	47,447	62,835	73,004	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	18,132	26,375	30,003	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	44,426	56,714	63,620	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	18,132	26,375	30,003	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	35,973	48,563	56,440	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-9091	Dental Assistants	20,621	40,044	47,754	No	No	No	Postsecondary nondegree award	No	Yes	Yes
31-9092	Medical Assistants	25,904	33,021	36,929	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	19,675	36,304	42,223	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	31,711	40,098	41,555	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
31-9095	Pharmacy Aides	19,106	21,972	23,747	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	19,630	27,892	32,636	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	24,354	35,931	41,021	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	26,055	41,696	49,775	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-1011	First-Line Supervisors of Correctional Officers	34,488	47,049	49,401	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	47,497	69,017	77,114	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	42,517	59,778	68,202	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	26,352	41,410	54,404	No	No	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	25,600	41,131	52,043	No	No	No	Postsecondary nondegree award	No	Yes	Yes
33-2021	Fire Inspectors and Investigators	30,906	51,614	58,645	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	27,585	32,608	35,623	No	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	30,590	43,484	50,378	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,751	38,950	41,999	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	33,326	73,967	96,615	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	19,733	26,477	28,599	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	25,696	39,893	46,787	No	No	No	High school diploma or equivalent	Yes	Yes	No
33-3051	Police and Sheriff's Patrol Officers	35,164	46,129	50,771	Yes	Yes	No	Associate's degree	Yes	No	No
33-3052	Transit and Railroad Police	41,875	60,323	71,618	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	25,240	36,069	40,777	No	No	No	Postsecondary nondegree award	No	No	No

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33-9021	Private Detectives and Investigators	31,036	45,903	55,941	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	23,286	32,320	36,627	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	19,262	28,382	31,891	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	19,351	26,161	29,185	No	No	No	No formal educational credential	No	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	18,067	26,822	29,464	No	No	No	No formal educational credential	No	Yes	Yes
33-9093	Transportation Security Screeners	35,804	42,418	44,112	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	20,801	31,228	37,948	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	19,368	31,205	31,925	No	No	No	Associate's degree	No	No	No
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	26,141	40,377	48,637	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
35-2011	Cooks, Fast Food	18,936	23,713	25,944	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	21,743	28,633	31,639	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2013	Cooks, Private Household	19,584	28,059	32,915	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	20,899	28,131	31,286	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	19,253	27,658	32,468	No	No	No	No formal educational credential	No	Yes	Yes
35-2019	Cooks, All Other	20,160	28,422	33,427	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	20,446	25,884	29,074	No	No	No	No formal educational credential	Yes	No	No
35-3011	Bartenders	18,607	23,806	24,562	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,782	23,052	24,746	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,744	26,009	29,109	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	18,887	22,894	24,735	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,596	22,145	23,289	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	18,804	20,978	22,097	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,552	20,468	20,425	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	18,959	23,124	23,816	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	28,303	53,597	72,931	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	27,576	47,565	63,789	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	18,777	25,052	26,509	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,302	22,845	24,496	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	20,077	33,957	49,066	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	26,227	49,492	67,457	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
37-3011	Landscaping and Groundskeeping Workers	19,350	28,429	30,643	No	No	No	No formal educational credential	No	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21,774	25,930	26,097	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	20,681	33,604	42,293	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	24,356	33,343	36,879	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	33,957	52,136	61,505	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	23,745	44,988	58,660	No	No	Yes	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	20,347	37,000	42,535	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	19,349	25,951	29,019	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	17,146	23,342	26,338	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,328	25,631	28,943	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	18,737	32,246	33,306	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	17,742	27,836	30,506	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	17,732	23,705	26,319	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,413	20,461	20,379	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	24,366	52,378	68,250	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	18,104	25,733	29,334	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	17,630	24,217	28,180	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	31,539	52,955	53,960	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	23,610	42,178	58,136	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
39-4031	Morticians, Undertakers, and Funeral Arrangers	23,299	50,892	63,237	No	Yes	Yes	Associate's degree	No	Yes	Yes
39-5011	Barbers	20,384	29,594	35,213	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,699	33,618	40,939	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	33,874	65,747	75,860	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	18,867	25,156	27,706	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	17,918	24,496	28,264	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	21,044	33,952	39,990	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	17,518	23,231	26,505	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	24,408	30,119	31,861	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	18,403	29,376	37,515	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	18,882	22,798	24,478	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	26,946	39,554	46,579	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	19,062	29,921	35,242	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	25,726	34,404	39,250	No	No	No	Some college, no degree	Yes	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	20,856	27,407	31,648	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	26,769	42,840	51,137	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	35,433	66,322	75,012	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,105	23,077	24,824	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	17,667	26,626	32,915	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	19,477	31,537	37,860	No	No	No	No formal educational credential	No	Yes	Yes
41-2022	Parts Salespersons	19,895	30,841	36,613	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,716	29,307	31,482	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	22,775	50,980	62,789	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-3021	Insurance Sales Agents	34,105	68,494	79,328	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	33,671	59,848	52,023	Yes	Yes	No	Bachelor's degree	No	No	No
41-3041	Travel Agents	20,501	36,864	48,754	No	No	No	Some college, no degree	No	No	Yes

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41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	32,543	59,424	66,487	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	31,597	67,381	80,897	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	22,506	60,221	73,124	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	20,474	32,313	32,401	No	No	No	No formal educational credential	Yes	Yes	Yes
41-9012	Models	19,258	36,507	45,912	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	24,877	62,165	64,714	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	27,945	50,920	65,302	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9031	Sales Engineers	52,201	103,891	134,164	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	19,371	25,856	27,025	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,490	25,649	27,864	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,435	27,207	29,877	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	30,525	51,622	63,479	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	21,256	33,144	37,531	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	22,449	29,222	30,357	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	27,473	38,023	44,954	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	27,449	37,548	42,852	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	26,665	38,187	43,111	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	22,275	38,186	46,506	No	No	No	Some college, no degree	Yes	No	Yes
43-3041	Gambling Cage Workers	18,458	26,012	29,399	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	26,743	40,161	52,564	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	34,916	45,232	51,908	Yes	No	No	Associate's degree	Yes	No	No
43-3071	Tellers	23,758	33,066	38,275	No	No	No	High school diploma or equivalent	No	No	No
43-3099	Financial Clerks, All Other	28,506	43,577	50,945	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	32,888	50,527	60,360	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	27,240	38,953	45,298	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	23,667	35,119	39,295	No	No	No	Some college, no degree	Yes	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	26,477	40,302	46,238	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	21,128	31,421	37,300	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	24,952	33,725	40,228	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	23,391	31,349	36,678	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	19,098	22,601	24,406	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	26,741	34,163	37,532	No	No	No	High school diploma or equivalent	Yes	No	No
43-4121	Library Assistants, Clerical	20,931	26,497	27,725	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	32,454	44,069	50,750	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	27,715	37,865	43,065	No	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	21,491	32,674	37,037	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	32,833	38,942	43,071	Yes	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	19,972	28,761	34,185	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	22,086	39,195	54,211	No	No	Yes	High school diploma or equivalent	No	No	Yes
43-4199	Information and Record Clerks, All Other	31,202	42,863	48,004	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5011	Cargo and Freight Agents	31,010	51,515	58,896	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	18,621	24,587	28,572	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	26,817	35,416	41,680	No	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	24,684	41,645	51,977	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-5041	Meter Readers, Utilities	24,514	38,991	46,070	No	No	No	High school diploma or equivalent	No	No	No
43-5051	Postal Service Clerks	37,758	48,850	62,987	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,606	53,262	65,035	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	35,392	48,851	61,606	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	19,446	48,898	63,228	No	Yes	Yes	Some college, no degree	No	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	22,363	36,926	45,729	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	21,071	32,185	38,348	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	23,953	43,685	57,033	No	No	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	23,023	36,573	46,481	No	No	No	Some college, no degree	Yes	No	Yes
43-6013	Medical Secretaries and Administrative Assistants	26,071	33,613	38,036	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	22,965	34,790	40,473	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	25,670	33,765	37,938	No	No	No	High school diploma or equivalent	Yes	No	No
43-9022	Word Processors and Typists	20,314	30,586	37,247	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	26,766	49,234	53,802	No	Yes	Yes	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	27,378	39,139	46,057	No	No	No	High school diploma or equivalent	Yes	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	22,461	33,865	39,709	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	21,152	33,366	38,722	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	22,926	31,109	34,688	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	24,756	39,381	52,211	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	30,515	51,457	63,049	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	23,750	37,503	45,411	No	No	No	Some college, no degree	Yes	No	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	29,120	51,876	57,114	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	19,081	34,711	43,912	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders										
45-2041	Graders and Sorters, Agricultural Products	23,854	31,539	35,409	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	21,565	31,213	35,679	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	17,667	22,886	23,779	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	19,519	29,994	38,442	No	No	No	No formal educational credential	No	Yes	Yes

Workforce Region 1 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	18,290	26,980	27,259	No	No	No	No formal educational credential	No	Yes	No
45-3031	Fishing and Hunting Workers	19,519	29,994	38,442	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	33,716	38,497	41,828	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	25,510	34,944	38,321	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	17,481	33,725	42,944	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	21,482	31,008	36,106	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,356	44,089	55,532	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	34,227	56,232	69,369	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	32,627	48,285	56,658	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	22,817	36,632	43,905	No	No	No	High school diploma or equivalent	No	No	No
47-2022	Stonemasons	30,617	36,795	40,544	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	28,451	44,792	52,135	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	17,416	30,338	39,139	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,347	37,214	48,471	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	24,338	33,306	38,042	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	25,266	30,942	33,439	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	28,712	37,668	39,483	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	31,650	41,670	46,861	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2061	Construction Laborers	22,440	30,223	34,128	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	24,877	34,944	37,623	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	31,325	47,122	56,137	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	26,523	38,765	40,628	No	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	27,532	41,807	53,444	No	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	17,593	38,256	46,880	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	33,295	46,188	55,999	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	25,305	39,316	47,308	No	No	No	High school diploma or equivalent	No	No	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	25,538	36,646	43,084	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	27,222	37,111	42,926	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	26,881	36,361	41,311	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	30,720	44,545	57,021	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	27,010	32,840	37,101	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	29,253	44,358	53,722	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	21,268	35,148	42,526	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	29,427	42,303	48,647	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	20,350	26,460	28,120	No	No	No	No formal educational credential	Yes	No	No
47-2211	Sheet Metal Workers	25,039	40,798	49,418	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2221	Structural Iron and Steel Workers	18,383	28,909	40,447	No	No	No	High school diploma or equivalent	No	No	No
47-2231	Solar Photovoltaic Installers	23,733	33,595	37,576	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20,663	28,375	33,232	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	21,101	28,512	32,543	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	22,109	29,439	32,063	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	19,258	26,263	30,599	No	No	No	No formal educational credential	No	No	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	22,012	27,061	29,886	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	22,979	31,818	36,423	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	25,936	31,166	35,541	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	36,213	66,412	90,990	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	38,544	72,250	90,969	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	23,938	35,809	43,986	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	25,138	37,028	43,912	No	No	No	High school diploma or equivalent	No	No	No
47-4051	Highway Maintenance Workers	21,145	28,234	30,916	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	31,864	44,796	51,364	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	23,993	35,604	38,442	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	25,454	36,200	40,954	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	22,049	31,911	37,316	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	31,976	42,116	47,671	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	23,203	50,434	65,189	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	29,479	43,167	50,126	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5041	Continuous Mining Machine Operators	33,771	53,746	64,119	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	33,771	53,746	64,119	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	28,534	34,888	37,028	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	31,976	42,116	47,671	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	22,049	31,911	37,316	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	24,617	42,665	49,606	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	33,185	52,834	67,757	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	42,210	64,652	76,614	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	33,522	48,582	59,734	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	29,166	53,727	68,538	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	33,313	59,237	75,478	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	31,697	54,806	66,594	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	26,338	40,349	47,745	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	31,464	51,243	64,547	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 1 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	32,646	51,066	60,156	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	39,502	66,798	84,828	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	23,761	35,399	42,237	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	22,579	40,935	51,959	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	29,121	40,646	47,871	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	51,189	80,303	113,512	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	25,845	59,124	78,492	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	20,356	34,888	40,228	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	27,835	47,153	57,934	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	32,836	47,459	55,726	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	24,728	39,549	47,950	No	No	No	High school diploma or equivalent	No	No	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	28,569	42,743	50,443	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	34,032	52,192	59,198	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	26,301	46,610	58,900	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3052	Motorcycle Mechanics	23,873	34,311	40,386	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	23,521	34,882	41,732	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	20,793	27,994	31,846	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	25,463	44,684	56,434	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	19,621	29,185	34,497	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	22,635	37,511	44,126	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	30,200	43,810	51,048	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	27,801	40,989	49,029	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	28,042	38,752	41,590	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-9041	Industrial Machinery Mechanics	39,883	57,304	64,477	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	23,333	37,018	45,484	No	No	No	High school diploma or equivalent	No	No	No
49-9044	Millwrights	29,920	46,684	57,569	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	31,641	55,448	72,092	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	27,515	46,400	50,782	No	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	18,095	38,646	51,159	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	25,547	47,875	59,895	No	Yes	Yes	Associate's degree	No	No	Yes
49-9063	Musical Instrument Repairers and Tuners	22,096	32,860	37,455	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,412	40,758	50,620	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	35,706	52,927	60,658	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	23,510	38,367	46,462	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	41,903	68,613	83,358	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	19,667	25,980	31,367	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	31,576	46,852	47,587	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	24,384	38,209	47,019	No	No	No	High school diploma or equivalent	No	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	19,872	27,352	29,892	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	30,338	45,801	55,448	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	36,944	61,700	74,278	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	19,597	30,066	35,149	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	32,186	43,505	49,634	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-1011	First-Line Supervisors of Production and Operating Workers	35,189	67,888	86,577	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	17,928	38,442	49,671	No	No	No	Postsecondary nondegree award	No	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	17,462	33,353	46,536	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	27,336	38,465	41,364	No	No	No	High school diploma or equivalent	Yes	No	No
51-2031	Engine and Other Machine Assemblers	23,826	28,227	29,613	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	38,089	46,996	51,793	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
51-2051	Fiberglass Laminators and Fabricators	26,741	36,031	40,343	No	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	22,333	34,365	44,357	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	22,110	28,805	31,745	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	29,129	41,535	47,535	Yes	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	20,244	28,999	34,432	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	20,858	26,636	29,241	No	No	No	No formal educational credential	Yes	Yes	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	23,854	31,539	35,409	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,449	28,310	32,720	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	18,123	26,152	30,366	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	19,723	25,463	28,561	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	24,021	33,157	37,651	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	24,626	33,260	36,804	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	24,794	34,116	39,902	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,421	30,394	35,390	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	31,194	51,308	62,649	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,654	30,515	35,548	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,482	35,474	41,707	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	31,473	41,456	47,047	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 1 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	27,440	41,886	49,482	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	28,580	39,502	45,940	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	24,440	38,581	46,247	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	31,194	51,308	62,649	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	27,845	49,634	58,602	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	20,002	35,130	44,582	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	19,742	31,269	36,730	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	23,845	33,753	37,055	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	27,845	49,634	58,602	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	27,504	40,606	48,058	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	23,491	33,185	38,107	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	20,868	32,478	37,353	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	26,738	42,665	53,076	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	26,608	36,237	39,223	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	24,496	33,502	37,121	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	19,826	31,892	36,255	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	21,268	36,032	43,019	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	22,802	39,613	56,022	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-5113	Print Binding and Finishing Workers	19,519	29,669	35,753	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,984	23,666	24,846	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	17,816	22,765	25,845	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	26,207	31,085	34,763	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	18,430	28,841	34,711	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	17,742	27,780	33,520	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	19,723	26,552	31,632	No	No	No	No formal educational credential	No	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	18,635	27,650	32,320	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	24,003	28,943	32,915	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	19,705	29,203	34,274	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	17,742	24,607	28,022	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	19,612	42,098	65,533	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	35,465	64,119	76,390	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	17,518	27,547	29,306	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	22,440	36,302	43,103	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,407	25,640	31,325	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	21,990	36,085	41,320	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	18,523	34,348	42,572	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	24,496	35,292	34,795	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	19,204	29,329	34,127	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	21,249	37,995	52,890	No	No	No	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	65,524	89,592	101,547	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	47,298	75,711	94,913	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	41,903	68,613	83,358	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	40,050	58,202	66,709	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	32,770	49,402	55,108	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	29,650	48,350	58,853	Yes	Yes	Yes	Associate's degree	No	No	Yes
51-8092	Gas Plant Operators	30,794	44,619	53,597	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	28,282	47,726	55,551	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	36,460	55,737	59,700	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	34,792	57,590	65,369	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	22,961	35,706	43,010	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	22,235	33,520	38,618	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,454	31,222	35,381	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	23,714	34,023	38,023	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	19,537	32,981	39,307	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	21,807	32,460	38,116	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,189	31,622	35,920	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,416	30,664	35,297	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	20,332	46,430	60,991	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	22,747	42,089	53,690	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	18,796	38,199	45,751	No	No	No	Postsecondary nondegree award	No	No	No
51-9082	Medical Appliance Technicians	23,798	42,935	50,452	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	26,926	31,849	35,650	No	No	No	High school diploma or equivalent	Yes	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	22,018	37,958	46,432	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,346	30,562	39,409	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	31,732	47,118	59,424	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9141	Semiconductor Processing Technicians										

Workforce Region 1 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	22,505	39,102	46,861	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	27,296	38,383	42,014	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	33,027	50,648	59,430	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	20,077	32,273	39,111	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,272	32,283	37,083	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	20,198	34,562	42,703	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,388	24,859	30,897	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	22,282	31,585	35,827	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	23,938	34,246	38,535	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders										
51-9198	Helpers--Production Workers	20,470	29,388	33,953	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	20,776	29,225	31,751	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	32,376	59,216	73,506	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	33,037	48,791	56,581	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	91,341	213,727	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	46,526	66,194	68,082	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	64,668	114,106	141,412	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	23,649	43,382	56,202	No	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	28,654	54,183	62,584	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,393	27,147	29,464	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,613	24,956	30,004	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	27,185	37,369	41,407	No	No	No	Postsecondary nondegree award	No	No	No
53-3033	Light Truck Drivers	20,439	34,790	40,184	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	22,430	34,227	39,726	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	20,258	31,387	37,607	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,497	29,139	32,216	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	49,820	62,556	68,910	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	50,276	63,170	71,906	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	32,339	52,834	63,161	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	50,276	63,170	71,906	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	20,830	39,251	55,318	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	26,952	51,494	67,217	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	19,670	37,012	43,885	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	44,618	73,040	83,976	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	18,588	40,861	52,053	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	30,608	68,278	83,638	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	23,900	37,158	45,624	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	19,123	27,379	31,950	No	No	No	No formal educational credential	No	Yes	Yes
53-6031	Automotive and Watercraft Service Attendants	21,132	26,868	29,983	No	No	No	No formal educational credential	Yes	Yes	Yes
53-6041	Traffic Technicians	26,803	44,535	51,690	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	69,044	84,467	84,584	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,490	22,877	24,663	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	27,813	41,916	54,017	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7011	Conveyor Operators and Tenders	18,616	31,604	37,911	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	28,933	48,968	62,221	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	31,762	44,824	52,043	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	25,101	38,665	40,637	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	26,590	37,002	41,861	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	21,557	28,410	31,081	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,671	30,441	35,583	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	18,616	30,208	36,106	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,831	24,080	25,351	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	20,175	28,130	31,815	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	18,886	37,893	45,140	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	23,333	37,018	45,484	No	No	No	High school diploma or equivalent	No	No	No
53-7081	Refuse and Recyclable Material Collectors	24,561	37,400	44,256	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	18,616	31,604	37,911	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	21,156	39,642	50,434	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 1 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	27,828	45,511	53,145	
1	No formal educational credential	19,884	26,633	29,295	82
2	High school diploma or equivalent	25,372	39,614	46,891	225
3	Some college, no degree	22,192	38,259	45,041	48
4	Postsecondary nondegree award	27,306	39,665	46,948	85
5	Associate's degree	33,122	49,891	58,403	63
6	Bachelor's degree	38,480	71,174	85,746	172
7	Master's degree	47,631	74,010	86,352	42
8	Doctoral or professional degree	53,655	130,899	139,979	63

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	444	336	435	345	411	369
No formal educational credential	46.3%	53.7%	29.3%	70.7%	28.0%	72.0%
High school diploma or equivalent	68.0%	32.0%	72.9%	27.1%	71.1%	28.9%
Some college, no degree	25.0%	75.0%	37.5%	62.5%	27.1%	72.9%
Postsecondary nondegree award	47.1%	52.9%	30.6%	69.4%	29.4%	70.6%
Associate's degree	65.1%	34.9%	47.6%	52.4%	41.3%	58.7%
Bachelor's degree	52.9%	47.1%	60.5%	39.5%	58.7%	41.3%
Master's degree	64.3%	35.7%	59.5%	40.5%	50.0%	50.0%
Doctoral or professional degree	66.7%	33.3%	69.8%	30.2%	66.7%	33.3%

Workforce Region 2 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	29,752	151,035	*	Yes	Yes	Yes*	Bachelor's degree	No	Yes	Yes*
11-1021	General and Operations Managers	38,741	87,731	104,351	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	18,718	72,026	116,308	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-2011	Advertising and Promotions Managers	46,279	105,537	122,559	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	39,489	135,082	188,849	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2022	Sales Managers	45,986	102,365	128,213	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	52,564	105,938	123,398	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	38,618	80,886	105,557	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3021	Computer and Information Systems Managers	88,410	135,655	160,339	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	52,751	101,700	125,880	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	64,470	123,443	126,366	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	78,012	113,062	130,631	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	43,336	72,854	77,625	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-3111	Compensation and Benefits Managers	62,872	101,627	120,423	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	57,457	99,681	121,486	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	53,997	115,995	155,306	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	35,246	75,775	80,333	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9021	Construction Managers	54,766	109,987	126,602	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	28,468	48,638	68,404	No	Yes	Yes	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	62,142	91,536	109,883	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	45,001	93,407	110,677	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	40,367	75,851	94,761	Yes	Yes	Yes	Master's degree	Yes	No	Yes
11-9041	Architectural and Engineering Managers	111,797	143,761	167,759	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	40,571	54,831	61,993	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	43,933	83,938	92,310	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	34,036	49,916	56,884	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	51,410	115,034	120,115	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	57,467	85,529	111,054	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	75,529	87,279	93,361	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	37,468	63,262	82,777	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	42,635	69,890	81,291	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9161	Emergency Management Directors	46,136	78,979	95,639	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9171	Funeral Home Managers	40,176	78,130	95,600	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	42,941	93,850	123,066	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	32,538	81,592	98,118	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	41,109	80,208	100,540	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1031	Claims Adjusters, Examiners, and Investigators	44,877	70,514	82,766	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	46,766	65,542	76,852	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	28,059	62,368	83,209	No	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	40,130	68,173	85,588	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	38,295	65,049	79,980	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	18,052	56,178	76,175	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	54,677	84,973	99,756	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1111	Management Analysts	54,665	100,473	109,483	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	32,816	40,089	44,441	Yes	No	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	26,415	53,346	66,401	No	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	30,807	39,550	46,680	Yes	No	No	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	29,581	70,026	92,254	No	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	27,031	49,710	52,662	No	Yes	No	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	42,577	80,254	94,624	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	31,180	62,301	79,104	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	32,976	47,278	54,504	Yes	No	No	Bachelor's degree	No	No	No
13-2031	Budget Analysts	52,908	75,648	91,240	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	35,661	87,014	99,989	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2052	Personal Financial Advisors	18,515	46,313	50,446	No	No	No	Bachelor's degree	No	No	No
13-2053	Insurance Underwriters	32,957	66,868	84,968	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	43,924	79,513	95,896	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2071	Credit Counselors	31,689	47,929	50,780	Yes	Yes	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	27,421	70,804	85,955	No	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	27,016	46,384	53,756	No	No	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	41,469	50,340	59,073	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	57,587	92,305	103,378	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1211	Computer Systems Analysts	69,464	99,215	118,535	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	71,482	104,815	123,413	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	69,681	114,406	133,650	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	33,261	42,327	44,408	Yes	No	No	Associate's degree	No	No	No
15-1232	Computer User Support Specialists	35,160	61,475	73,545	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	47,030	85,007	114,186	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	51,069	82,224	97,191	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1245	Database Administrators and Architects	73,563	100,925	119,266	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	43,298	75,468	86,520	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	60,784	105,647	134,399	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	34,213	57,652	71,951	Yes	Yes	Yes	Associate's degree	No	Yes	Yes

Workforce Region 2 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	47,847	81,304	94,622	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
15-2011	Actuaries	47,147	111,354	137,321	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	67,163	100,683	113,862	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	52,914	96,064	112,526	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2041	Statisticians	28,141	68,928	90,880	No	Yes	Yes	Master's degree	No	No	No
15-2098	Data Scientists and Mathematical Science Occupations, All Other	49,207	88,620	112,956	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	55,278	88,777	102,061	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	40,929	68,928	86,760	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1021	Cartographers and Photogrammetrists	41,912	64,722	76,881	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1022	Surveyors	33,478	49,190	50,371	Yes	Yes	No	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	67,805	101,984	127,377	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	41,702	76,929	95,124	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2031	Bioengineers and Biomedical Engineers	59,449	86,903	104,336	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	47,719	93,159	117,801	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	58,527	95,406	121,002	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	75,993	100,486	116,381	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	69,589	94,834	108,350	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	64,402	103,454	118,609	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	41,219	88,373	103,387	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	51,716	80,786	110,889	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	57,080	96,675	123,766	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	46,222	76,585	91,557	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2131	Materials Engineers	48,596	91,710	111,774	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	59,311	96,190	117,391	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	70,101	112,661	137,903	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	82,088	103,535	116,942	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	70,558	153,256	188,426	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	66,102	111,471	131,846	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	27,867	44,815	52,186	No	No	No	Associate's degree	No	No	No
17-3012	Electrical and Electronics Drafters	22,305	49,827	61,842	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	36,996	65,096	79,420	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	34,444	46,057	54,150	Yes	No	No	Associate's degree	No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	49,656	98,127	120,808	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	28,800	49,113	60,566	No	Yes	Yes	Associate's degree	No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	56,431	73,361	81,072	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	31,651	50,675	58,810	Yes	Yes	Yes	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	34,733	48,789	51,570	Yes	Yes	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	32,747	52,277	62,071	Yes	Yes	Yes	Associate's degree	No	No	Yes
17-3027	Mechanical Engineering Technologists and Technicians	29,934	52,764	68,022	Yes	Yes	Yes	Associate's degree	No	No	Yes
17-3031	Surveying and Mapping Technicians	26,153	39,053	48,546	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	36,066	57,055	67,812	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	39,652	61,785	73,963	Yes	Yes	Yes	Master's degree	Yes	No	No
19-1012	Food Scientists and Technologists	30,611	55,472	69,815	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	30,363	68,909	93,522	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1021	Biochemists and Biophysicists	42,055	76,185	86,760	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	34,531	59,897	73,124	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	30,926	50,637	56,988	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	40,540	74,048	89,506	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	32,261	66,343	82,917	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1032	Foresters	44,286	72,361	92,549	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1041	Epidemiologists	31,384	52,668	65,580	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	39,528	83,852	99,482	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1099	Life Scientists, All Other	48,082	99,472	124,753	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	81,697	139,400	158,282	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	81,697	139,400	158,282	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	56,454	94,399	110,954	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	34,597	61,938	76,118	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	47,366	98,414	127,976	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	37,554	61,607	79,994	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	49,455	86,350	109,704	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	44,734	91,309	107,301	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	45,278	111,736	130,799	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	50,437	90,003	101,513	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	28,141	68,928	90,880	No	Yes	Yes	Master's degree	No	No	No
19-3031	Clinical, Counseling, and School Psychologists	38,924	77,427	95,659	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	28,141	68,928	90,880	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	29,439	141,025	130,652	No	Yes	Yes	Doctoral or professional degree	No	Yes	No
19-3041	Sociologists	50,580	72,246	87,638	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	29,650	64,103	84,401	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	31,384	52,668	65,580	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	61,041	80,161	92,787	Yes	Yes	Yes	Master's degree	Yes	Yes	No
19-3093	Historians	23,812	55,873	82,049	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists	59,744	95,009	109,523	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	52,134	79,170	93,531	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-4010	Agricultural and Food Science Technicians	18,395	34,788	42,131	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	26,501	42,417	52,678	No	No	No	Bachelor's degree	No	No	No

Workforce Region 2 Wages by Detailed Occupation

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
19-4031	Chemical Technicians	29,915	48,606	58,619	Yes	Yes	Yes	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	33,084	91,756	180,207	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-4045	Geological and Hydrologic Technicians	25,099	44,401	53,765	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	67,163	91,834	104,088	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	25,710	51,295	59,477	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	29,772	44,830	53,603	Yes	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	32,648	43,376	48,634	Yes	No	No	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	20,036	45,898	57,761	No	No	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	43,654	79,002	94,635	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	25,776	47,919	62,128	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	33,418	56,929	75,410	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	32,854	39,914	44,403	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	22,612	34,700	44,460	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	33,934	45,600	52,105	Yes	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	22,725	34,616	38,564	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	27,319	46,955	58,701	No	No	Yes	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	30,022	54,575	61,961	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	33,349	45,827	50,139	Yes	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	33,291	50,323	63,635	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	33,600	40,867	42,807	Yes	No	No	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	30,743	39,809	43,395	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	26,841	37,750	40,722	No	No	No	Some college, no degree	Yes	No	No
21-1094	Community Health Workers	25,109	40,043	47,176	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	27,140	40,701	47,481	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	31,315	48,670	58,682	Yes	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	24,432	44,639	53,775	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	18,720	41,482	54,995	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	40,107	97,209	121,223	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	28,914	48,968	55,396	No	Yes	No	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	37,048	97,813	119,784	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	24,355	67,974	96,154	No	Yes	Yes	Bachelor's degree	No	No	No
23-1023	Judges, Magistrate Judges, and Magistrates	139,295	179,071	163,355	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	27,853	45,051	57,489	No	No	Yes	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	31,995	52,068	58,110	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	30,316	54,687	50,460	Yes	Yes	No	Associate's degree	No	Yes	No
25-1011	Business Teachers, Postsecondary	56,740	104,107	122,435	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	44,525	94,256	117,972	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	40,701	79,332	104,698	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	25,290	86,484	107,921	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	51,648	105,566	129,311	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	52,869	99,720	121,377	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	40,376	85,893	105,175	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	65,838	107,902	126,908	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	45,535	90,746	112,422	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	49,932	83,976	99,186	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	22,343	71,750	84,224	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	46,565	90,346	114,158	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	55,539	88,772	100,311	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	41,397	76,681	93,140	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	56,740	104,107	122,435	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary										
25-1065	Political Science Teachers, Postsecondary	50,532	89,831	101,208	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	40,052	77,815	92,844	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	41,044	77,482	94,475	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	42,102	80,238	106,453	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	54,805	111,240	118,678	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	54,805	111,240	118,678	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	40,481	65,266	77,453	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	41,854	67,717	79,808	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	37,906	85,359	92,940	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	53,593	145,074	192,278	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	35,170	71,293	83,919	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	31,860	94,494	108,083	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	39,671	69,147	81,706	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	29,810	73,209	101,408	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	45,135	82,021	105,709	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	27,808	79,427	91,338	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	43,056	89,297	105,003	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	31,822	64,102	77,739	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	21,716	39,824	49,672	No	No	No	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	21,886	53,288	66,982	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	19,544	26,699	28,493	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	34,149	55,234	65,914	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	46,611	67,067	76,960	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	42,842	65,859	78,617	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	28,580	56,302	71,912	No	Yes	Yes	Bachelor's degree	No	No	No

Workforce Region 2 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	37,372	58,676	70,406	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	41,616	62,205	70,778	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2051	Special Education Teachers, Preschool	30,564	59,315	75,450	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	39,032	60,984	73,648	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	39,117	56,864	66,744	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	39,842	60,135	72,036	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2059	Special Education Teachers, All Other	26,720	49,426	60,088	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	30,277	44,906	55,443	Yes	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	21,613	42,444	49,484	No	No	No	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	18,014	28,246	29,705	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	27,356	63,765	78,370	No	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	26,062	41,530	48,377	No	No	No	Master's degree	No	No	No
25-4012	Curators	27,598	52,640	59,916	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	21,809	39,346	47,404	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	26,536	59,985	77,350	No	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	21,388	29,090	30,620	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	18,719	33,256	43,395	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	34,114	67,309	86,957	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	18,252	36,362	46,918	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	18,605	27,007	29,686	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	22,372	47,815	61,013	No	No	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	44,715	91,395	98,623	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	17,489	31,260	37,534	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	46,945	66,383	77,579	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1014	Special Effects Artists and Animators	40,701	62,758	74,592	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1019	Artists and Related Workers, All Other	28,971	81,725	99,911	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	38,030	64,455	75,260	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	30,888	59,668	69,004	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	21,096	26,947	30,249	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	28,808	48,085	59,366	No	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	27,770	47,400	58,918	No	No	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	25,702	34,060	35,371	No	No	No	Some college, no degree	Yes	No	No
27-1027	Set and Exhibit Designers	21,561	46,928	58,276	No	No	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	30,611	55,987	64,217	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	20,430	42,190	46,930	No	No	No	Some college, no degree	No	Yes	No
27-2012	Producers and Directors	33,645	63,844	78,797	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	17,852	67,707	79,646	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	21,550	33,063	38,356	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	17,871	37,506	44,763	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	19,201	52,762	77,477	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	17,613	37,124	56,378	No	No	Yes	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	17,966	63,006	73,276	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,070	85,569	119,964	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,071	24,823	28,885	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,987	56,798	69,795	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	27,464	60,450	70,120	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	31,211	55,063	66,133	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	18,609	49,232	62,821	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	32,805	59,735	73,562	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	27,102	65,065	68,079	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	22,238	52,106	66,658	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,491	48,778	80,161	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	18,252	42,865	53,346	No	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	22,196	40,177	42,047	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	21,037	44,563	54,404	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	22,515	53,889	61,899	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	18,328	26,742	28,416	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	22,334	47,547	59,124	No	No	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	30,401	51,476	62,023	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	23,583	77,491	100,607	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	43,505	54,249	61,993	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	135,447	164,277	190,171	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	60,879	224,091	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	85,406	172,529	198,353	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists										
29-1029	Dentists, All Other Specialists	54,614	167,179	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	37,459	65,519	68,610	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	66,542	79,544	80,971	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1051	Pharmacists	36,068	113,651	144,168	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1071	Physician Assistants	46,857	96,981	123,394	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	51,362	126,555	173,540	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	18,483	63,315	99,872	No	Yes	Yes	Master's degree	No	No	Yes
29-1123	Physical Therapists	34,513	83,844	99,751	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	55,043	80,905	93,874	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 2 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
29-1125	Recreational Therapists	26,930	48,740	58,114	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	43,306	56,614	63,356	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	62,512	90,561	107,115	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	33,882	51,639	63,406	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	30,287	49,131	57,503	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	50,277	85,770	104,854	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	43,397	62,826	74,246	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1151	Nurse Anesthetists	129,540	168,562	173,721	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,884	64,398	94,427	No	Yes	Yes	Master's degree	No	No	No
29-1171	Nurse Practitioners	41,970	102,904	123,677	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	42,169	70,339	79,427	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	129,864	258,851	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	116,387	210,504	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	48,616	199,965	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	118,935	303,981	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	56,101	150,929	188,073	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	44,715	192,183	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	137,951	231,880	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	49,598	233,475	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	53,615	69,502	78,481	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	20,665	64,217	77,415	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	35,064	57,673	67,792	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	25,473	49,584	65,176	No	Yes	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	47,186	65,512	73,827	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	57,699	81,361	96,609	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	38,850	49,087	52,979	Yes	Yes	No	Associate's degree	Yes	No	No
29-2035	Magnetic Resonance Imaging Technologists	42,480	61,137	71,505	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	23,048	37,511	40,430	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	19,749	28,494	30,840	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	26,286	34,907	40,214	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	20,774	28,155	30,456	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	33,412	46,476	49,798	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	23,177	34,034	38,203	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	31,603	44,252	51,221	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	31,309	38,978	44,098	Yes	No	No	Postsecondary nondegree award	Yes	No	No
29-2081	Opticians, Dispensing	29,288	44,695	55,699	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2091	Orthotists and Prosthetists	35,417	72,914	86,121	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	27,750	60,412	69,786	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	24,072	40,278	45,424	No	No	No	Postsecondary nondegree award	No	No	No
29-9091	Athletic Trainers	31,756	46,584	52,897	Yes	No	No	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	56,731	76,957	88,706	Yes	Yes	Yes	Master's degree	Yes	No	No
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	27,426	56,492	70,415	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	19,742	24,803	26,297	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,727	28,575	31,917	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	20,274	27,016	29,686	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	24,384	28,628	30,516	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	48,635	64,407	74,831	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	18,586	27,035	30,754	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	34,626	60,040	71,188	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
31-2022	Physical Therapist Aides	18,586	27,035	30,754	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	19,567	48,686	73,315	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	34,417	49,668	59,486	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	27,045	34,169	38,679	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9093	Medical Equipment Preparers	21,824	32,139	38,341	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	24,619	30,052	31,992	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	20,531	31,078	37,134	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	20,121	28,590	33,453	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	23,423	33,319	39,155	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	28,756	47,235	54,780	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-1011	First-Line Supervisors of Correctional Officers	32,757	45,688	47,118	Yes	No	No	Some college, no degree	Yes	Yes	No
33-1012	First-Line Supervisors of Police and Detectives	47,209	67,751	76,427	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	45,820	70,648	81,925	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	27,603	46,149	52,266	No	No	No	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	27,350	41,675	50,575	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	41,883	59,067	63,549	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	28,275	33,424	36,514	No	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	31,355	44,572	51,639	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,752	37,077	38,803	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	44,357	69,896	86,945	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	20,226	27,140	29,314	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	26,339	40,891	47,958	No	No	No	High school diploma or equivalent	No	No	No
33-3051	Police and Sheriff's Patrol Officers	35,444	45,745	50,733	Yes	No	No	Associate's degree	Yes	No	No
33-3052	Transit and Railroad Police	42,922	61,833	73,410	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	25,872	36,972	41,797	No	No	No	Postsecondary nondegree award	No	No	No

Workforce Region 2 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	31,813	47,052	57,341	Yes	No	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	23,869	33,129	37,544	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	24,767	34,059	37,704	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	20,375	22,920	24,264	No	No	No	No formal educational credential	Yes	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	27,618	31,894	33,313	No	No	No	No formal educational credential	Yes	Yes	Yes
33-9093	Transportation Security Screeners	34,157	40,354	42,787	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	32,293	46,432	47,839	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
35-1011	Chefs and Head Cooks	35,086	54,418	65,352	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	27,555	40,189	47,262	No	No	No	High school diploma or equivalent	Yes	No	No
35-2011	Cooks, Fast Food	19,599	23,867	25,863	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	19,516	28,368	32,023	No	No	No	No formal educational credential	No	Yes	Yes
35-2013	Cooks, Private Household	20,074	28,761	33,739	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	23,091	30,237	34,023	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	18,758	25,328	28,952	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	20,665	29,133	34,264	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	19,815	27,533	31,634	No	No	No	No formal educational credential	No	No	Yes
35-3011	Bartenders	18,619	26,098	26,542	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,843	22,886	24,936	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,705	27,292	32,596	No	No	No	No formal educational credential	No	No	Yes
35-3041	Food Servers, Nonrestaurant	19,553	23,855	26,045	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,738	22,660	24,868	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	19,510	24,715	27,556	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	19,822	23,814	25,471	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	18,042	26,225	29,314	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	24,645	37,466	45,068	No	No	No	High school diploma or equivalent	No	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	27,656	38,461	40,591	No	No	No	Some college, no degree	Yes	No	No
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,655	28,060	33,250	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,149	24,178	26,879	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	20,579	34,807	50,294	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	27,037	42,545	56,166	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
37-3011	Landscaping and Groundskeeping Workers	20,185	30,893	35,860	No	No	No	No formal educational credential	No	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21,580	32,452	37,534	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	21,199	34,445	43,352	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	24,966	34,178	37,801	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	34,807	53,441	63,044	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	27,389	43,585	52,470	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	20,856	37,925	43,600	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	19,189	23,398	25,075	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	17,575	23,926	26,997	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,786	26,272	29,667	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,206	33,052	34,140	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	18,186	28,532	31,269	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	18,176	24,298	26,978	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,923	25,513	28,649	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	24,975	53,689	69,958	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	18,557	26,377	30,068	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,071	24,823	28,885	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	32,328	54,280	55,310	Yes	Yes	No	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	20,312	28,580	30,201	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	30,201	52,344	58,466	Yes	Yes	Yes	Associate's degree	No	No	No
39-5011	Barbers	20,894	30,335	36,095	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	18,939	22,891	23,824	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	34,721	67,392	77,758	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	19,339	25,786	28,399	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	18,367	25,109	28,971	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	20,873	29,822	31,343	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	18,769	20,452	20,830	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	22,688	29,400	32,283	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	19,497	27,480	31,626	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	18,633	26,694	33,916	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	27,255	38,993	44,113	No	No	No	Postsecondary nondegree award	Yes	No	No
39-9032	Recreation Workers	21,185	32,668	38,235	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	19,864	29,848	35,646	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	21,209	31,412	33,012	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	27,676	43,586	54,454	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	35,055	64,544	66,368	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,232	24,125	26,275	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,109	27,293	33,739	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	21,603	30,852	32,348	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	20,133	43,091	45,686	No	No	No	High school diploma or equivalent	No	Yes	No
41-2031	Retail Salespersons	19,854	29,101	31,626	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	20,412	41,871	49,698	No	No	No	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	22,814	48,134	51,648	No	Yes	No	Postsecondary nondegree award	No	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	35,944	77,751	80,276	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	24,860	38,738	42,670	No	No	No	Some college, no degree	Yes	No	No

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	26,669	59,730	77,935	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	28,082	77,411	103,603	No	Yes	Yes	Bachelor's degree	No	No	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	24,215	48,395	58,606	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,740	37,420	47,061	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models										
41-9021	Real Estate Brokers	46,374	86,566	102,750	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	27,337	51,095	59,147	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9031	Sales Engineers	53,508	106,491	137,522	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	18,777	26,520	29,171	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,928	26,291	28,561	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	19,406	34,435	37,134	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	32,101	48,059	57,512	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	23,061	31,602	34,701	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	23,011	29,953	31,117	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	28,160	38,974	46,079	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	21,330	27,091	29,238	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	25,926	36,479	42,051	No	No	No	High school diploma or equivalent	No	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	21,117	38,626	47,584	No	No	No	Some college, no degree	No	No	No
43-3041	Gambling Cage Workers	18,920	26,663	30,134	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	33,417	42,927	49,016	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	34,912	45,875	51,076	Yes	No	No	Associate's degree	No	No	No
43-3071	Tellers	25,631	32,363	37,185	No	No	No	High school diploma or equivalent	No	No	No
43-3099	Financial Clerks, All Other	29,219	44,668	52,220	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	33,710	51,791	61,871	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks										
43-4031	Court, Municipal, and License Clerks	27,378	39,661	45,440	No	No	No	Some college, no degree	Yes	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	27,140	41,311	47,395	No	No	No	Some college, no degree	Yes	Yes	No
43-4051	Customer Service Representatives	22,071	32,995	37,910	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	23,270	31,733	36,454	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	21,221	27,679	29,841	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	18,721	23,936	28,237	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	26,532	35,639	43,886	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	20,625	27,021	29,590	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	21,284	42,561	56,943	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
43-4141	New Accounts Clerks	28,408	38,812	44,143	No	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	21,181	32,754	41,897	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	29,001	38,721	44,103	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	21,167	31,775	36,870	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	21,983	28,184	31,154	No	No	No	High school diploma or equivalent	No	No	No
43-4199	Information and Record Clerks, All Other	37,445	45,402	49,585	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5011	Cargo and Freight Agents	25,853	42,455	48,959	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-5021	Couriers and Messengers	21,600	38,721	49,042	No	No	No	High school diploma or equivalent	No	No	Yes
43-5031	Public Safety Telecommunicators	28,674	39,582	45,585	No	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	26,537	33,391	33,083	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	25,028	31,435	35,757	No	No	No	High school diploma or equivalent	No	No	No
43-5051	Postal Service Clerks	37,760	50,576	62,991	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,605	52,446	65,033	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	32,843	49,216	60,059	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	24,995	46,862	59,954	No	No	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	26,493	35,317	41,617	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	25,300	34,988	39,718	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	31,031	52,907	63,740	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	23,495	34,823	39,647	No	No	No	Some college, no degree	No	No	No
43-6013	Medical Secretaries and Administrative Assistants	24,222	36,554	41,439	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	22,211	35,969	44,443	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	23,744	37,238	43,317	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	20,317	37,849	45,394	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	27,436	50,466	55,148	No	Yes	No	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	22,813	37,766	44,241	No	No	No	High school diploma or equivalent	No	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	19,625	30,173	35,513	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	21,142	33,950	40,139	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	19,416	31,841	37,010	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	25,376	40,367	53,517	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	31,279	52,745	64,627	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	19,274	36,005	46,130	No	No	No	Some college, no degree	No	No	No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	29,848	53,174	58,543	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	19,559	35,580	45,011	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders										
45-2041	Graders and Sorters, Agricultural Products	24,451	32,328	36,295	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	22,105	31,994	36,571	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	18,109	23,459	24,375	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	20,007	30,745	39,404	No	No	No	No formal educational credential	No	Yes	Yes

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	18,748	27,655	27,941	No	No	No	No formal educational credential	No	Yes	No
45-3031	Fishing and Hunting Workers	20,007	30,745	39,404	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	34,559	39,461	42,875	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	26,148	35,818	39,280	No	No	No	High school diploma or equivalent	No	No	No
45-4022	Logging Equipment Operators	17,919	34,569	44,019	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	22,019	31,784	37,010	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,815	45,192	56,922	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	33,574	56,511	64,486	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	33,443	49,493	58,075	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	33,996	46,192	55,364	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2022	Stonemasons	31,384	37,716	41,559	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	28,047	39,531	46,483	No	No	No	Postsecondary nondegree award	Yes	No	No
47-2041	Carpet Installers	17,852	31,098	40,119	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,906	38,145	49,684	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	24,947	34,140	38,994	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	30,000	38,950	44,816	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	24,820	34,907	40,200	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	32,442	42,713	48,034	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2061	Construction Laborers	26,428	33,762	38,219	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	22,996	34,086	39,125	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	32,108	48,301	57,541	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	25,177	37,939	40,643	No	No	No	High school diploma or equivalent	No	No	No
47-2081	Drywall and Ceiling Tile Installers	22,153	35,627	43,495	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	18,033	39,213	48,053	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	33,005	49,613	60,898	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	28,064	39,181	46,610	No	No	No	High school diploma or equivalent	Yes	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	26,177	37,563	44,162	No	No	No	High school diploma or equivalent	No	No	No
47-2132	Insulation Workers, Mechanical	27,903	38,040	44,000	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	28,329	37,378	40,321	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	31,489	45,659	58,447	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	26,185	31,039	33,797	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	28,281	39,482	45,237	No	No	No	Postsecondary nondegree award	Yes	No	No
47-2161	Plasterers and Stucco Masons	21,800	36,028	43,590	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	30,163	43,361	49,865	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	29,041	38,720	41,539	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	35,791	59,885	75,169	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	26,091	42,121	49,769	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2231	Solar Photovoltaic Installers	24,327	34,435	38,517	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	21,180	29,085	34,063	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	21,332	30,974	36,228	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	23,130	30,853	35,631	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	19,740	26,921	31,365	No	No	No	No formal educational credential	No	No	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	25,350	30,119	32,922	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	23,554	32,614	37,334	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	21,990	30,125	34,655	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	30,813	61,763	77,682	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	39,508	74,058	93,245	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	24,537	36,705	45,087	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	25,767	37,954	45,011	No	No	No	High school diploma or equivalent	No	No	No
47-4051	Highway Maintenance Workers	22,168	36,070	42,279	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	32,661	45,917	52,649	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	24,594	36,495	39,404	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	26,091	37,105	41,978	No	No	No	High school diploma or equivalent	No	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	32,776	43,170	48,863	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	23,783	51,696	66,820	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	24,985	39,337	45,602	No	No	No	High school diploma or equivalent	No	No	No
47-5041	Continuous Mining Machine Operators	34,616	55,091	65,723	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining										
47-5051	Rock Splitters, Quarry	29,248	35,761	37,954	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	32,776	43,170	48,863	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	22,601	32,709	38,250	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	25,233	43,733	50,847	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	34,016	54,156	69,452	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	37,368	65,193	84,711	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	28,147	34,649	38,349	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	29,896	55,072	70,253	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	27,398	46,548	69,322	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	36,086	67,233	80,048	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	26,997	41,358	48,940	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	32,251	52,525	66,162	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 2 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	33,463	52,344	61,661	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	40,491	68,470	86,951	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	24,355	36,285	43,294	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	23,619	38,052	46,650	No	No	No	Postsecondary nondegree award	No	No	No
49-2098	Security and Fire Alarm Systems Installers	18,936	32,689	39,192	No	No	No	Postsecondary nondegree award	No	No	No
49-3011	Aircraft Mechanics and Service Technicians	47,686	65,284	73,572	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	32,355	46,029	53,255	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	20,865	35,761	41,235	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	27,231	47,891	61,612	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	33,171	46,380	52,484	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	25,347	40,538	49,150	No	No	No	High school diploma or equivalent	No	No	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	30,429	54,757	68,346	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	34,883	53,498	60,679	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	26,184	50,820	68,502	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3052	Motorcycle Mechanics	24,470	35,170	41,397	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	27,298	33,727	37,961	No	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	21,313	28,694	32,642	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	26,665	39,216	50,117	No	No	No	High school diploma or equivalent	No	No	Yes
49-3093	Tire Repairers and Changers	22,870	37,463	52,367	No	No	No	High school diploma or equivalent	No	No	Yes
49-9011	Mechanical Door Repairers	23,202	38,450	45,230	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	30,096	48,425	57,408	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	28,125	48,160	60,138	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	25,252	38,679	46,241	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	34,600	56,368	68,330	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	23,917	37,945	46,622	No	No	No	High school diploma or equivalent	No	No	No
49-9044	Millwrights	30,668	47,853	59,010	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	22,652	45,810	65,054	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	40,496	59,447	67,109	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	18,548	39,613	52,440	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	26,186	49,073	61,394	No	Yes	Yes	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	22,648	33,682	38,393	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,922	41,778	51,886	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	36,600	54,251	62,176	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	26,578	40,641	50,632	No	No	No	High school diploma or equivalent	No	No	Yes
49-9081	Wind Turbine Service Technicians	42,951	70,329	85,444	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18,643	29,410	35,560	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	32,366	48,024	48,778	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	28,005	42,807	52,051	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9095	Manufactured Building and Mobile Home Installers	20,369	28,036	30,640	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	31,098	46,947	56,836	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	37,868	63,244	76,137	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	24,928	35,064	39,826	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	25,951	31,995	32,072	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	30,490	56,246	73,723	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	18,376	39,404	50,914	No	No	No	Postsecondary nondegree award	No	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	17,899	34,187	47,700	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	23,898	32,757	37,635	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	24,422	28,933	30,354	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	24,518	34,826	39,823	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	24,794	34,349	38,240	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	19,793	31,237	36,198	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	24,630	34,872	38,528	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	19,974	32,395	40,205	No	No	No	No formal educational credential	No	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	19,323	27,197	35,276	No	No	No	No formal educational credential	No	No	Yes
51-3023	Slaughterers and Meat Packers	21,380	27,302	29,972	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	24,451	32,328	36,295	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,910	29,019	33,539	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	18,577	26,806	31,126	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,217	26,101	29,276	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	24,622	33,987	38,593	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	25,242	34,092	37,725	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	25,414	34,969	40,901	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,932	31,155	36,276	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	31,975	52,592	64,217	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,170	31,279	36,438	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,019	36,362	42,751	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	32,261	42,493	48,225	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 2 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	28,681	45,121	54,062	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	29,295	40,491	47,090	No	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	25,052	39,547	47,404	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	31,975	52,592	64,217	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	28,542	50,876	60,069	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	20,503	36,009	45,697	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	20,236	32,051	37,649	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24,441	34,597	37,983	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	28,542	50,876	60,069	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	30,603	47,034	50,120	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	24,079	34,016	39,060	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	21,390	33,291	38,288	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	27,407	43,733	54,404	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	27,274	37,143	40,205	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,109	34,340	38,049	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	20,322	32,690	37,163	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	21,800	36,934	44,095	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	21,119	31,291	37,009	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	20,007	30,411	36,648	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	20,329	25,022	27,810	No	No	No	No formal educational credential	Yes	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	18,262	23,335	26,492	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	18,912	31,543	39,864	No	No	No	No formal educational credential	No	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	18,891	29,562	35,580	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,186	28,475	34,359	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,217	27,216	32,423	No	No	No	No formal educational credential	No	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	19,101	28,342	33,129	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	24,603	29,667	33,739	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20,198	29,934	35,131	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18,186	25,223	28,723	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,102	43,151	67,173	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	36,352	65,723	78,302	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	17,957	28,237	30,039	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	23,001	37,210	44,181	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,842	26,282	32,108	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	26,735	38,104	41,850	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	18,987	35,208	43,638	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	20,751	29,352	32,642	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	20,255	31,412	37,315	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	21,781	38,946	54,213	No	No	No	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	67,163	91,834	104,088	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	48,482	77,606	97,288	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	42,951	70,329	85,444	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	37,239	55,596	62,748	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	31,434	48,150	58,731	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	30,392	49,560	60,326	Yes	Yes	Yes	Associate's degree	No	No	No
51-8092	Gas Plant Operators	31,565	45,736	54,938	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	28,990	48,921	56,941	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	37,372	57,131	61,194	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	25,519	42,646	53,937	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	23,535	36,600	44,086	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	22,792	34,359	39,585	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,990	32,003	36,266	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	24,308	34,874	38,974	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	20,026	33,806	40,290	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	22,353	33,272	39,070	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,744	32,414	36,819	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,952	31,431	36,180	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	27,814	50,419	63,366	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	23,316	43,142	55,033	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	19,011	43,751	57,807	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	24,394	44,010	51,715	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	25,645	37,709	46,829	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	18,634	22,953	28,070	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,805	31,326	40,395	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	20,740	53,407	73,945	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-9141	Semiconductor Processing Technicians	27,073	39,880	46,756	No	No	No	High school diploma or equivalent	Yes	No	No

Workforce Region 2 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	23,068	40,081	48,034	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	25,242	37,878	44,935	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	33,854	51,915	60,917	Yes	Yes	Yes	Associate's degree	No	No	No
51-9191	Adhesive Bonding Machine Operators and Tenders										
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,830	33,091	38,011	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	20,703	35,427	43,771	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,823	25,481	31,670	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	22,839	32,375	36,724	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	24,537	35,103	39,499	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders										
51-9198	Helpers--Production Workers	18,579	25,986	33,569	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	19,196	29,867	33,806	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	33,186	60,698	75,346	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	33,574	48,580	55,897	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	116,096	135,947	146,444	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
53-2012	Commercial Pilots	41,130	120,576	151,006	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	33,624	78,814	106,082	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
53-2022	Airfield Operations Specialists	24,241	44,467	57,608	No	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	29,371	55,539	64,150	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,903	27,827	30,201	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,119	27,121	32,709	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	21,654	42,635	47,912	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	24,614	41,096	46,444	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	22,992	35,084	40,720	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19,769	30,823	37,246	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	26,780	41,961	55,241	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-4011	Locomotive Engineers	51,066	64,121	70,635	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	51,534	64,751	73,705	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	33,148	54,156	64,741	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	51,534	64,751	73,705	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	21,352	40,233	56,702	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	27,626	52,783	68,899	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	22,834	34,740	40,280	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	34,451	54,262	72,898	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	19,053	41,883	53,355	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	31,374	69,986	85,730	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	24,498	38,088	46,766	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	18,975	23,670	26,447	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	19,254	26,511	29,801	No	No	No	No formal educational credential	No	No	No
53-6041	Traffic Technicians	27,474	45,650	52,983	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	50,189	88,191	116,799	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,928	23,450	25,280	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	21,504	31,660	37,096	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,082	32,394	38,860	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	55,719	67,525	79,041	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	32,557	45,945	53,346	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	25,729	39,632	41,654	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	25,216	35,649	41,654	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	20,558	26,635	30,207	No	No	No	No formal educational credential	Yes	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,821	28,853	32,231	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	19,082	30,964	37,010	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	20,778	24,672	25,722	No	No	No	No formal educational credential	Yes	No	No
53-7065	Stockers and Order Fillers	20,889	29,494	35,269	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	19,358	38,841	46,270	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	24,938	30,668	34,582	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,082	32,394	38,860	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	21,685	40,634	51,696	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 2 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	29,589	47,900	56,308	
1	No formal educational credential	20,224	27,636	31,018	80
2	High school diploma or equivalent	26,739	41,254	48,868	222
3	Some college, no degree	23,679	40,544	48,609	48
4	Postsecondary nondegree award	26,786	40,484	47,601	85
5	Associate's degree	35,185	52,798	61,547	63
6	Bachelor's degree	44,476	80,301	96,665	172
7	Master's degree	37,952	80,136	94,449	41
8	Doctoral or professional degree	63,817	126,598	138,184	61

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	486	286	460	312	446	326
No formal educational credential	50.0%	50.0%	36.3%	63.8%	30.0%	70.0%
High school diploma or equivalent	74.8%	25.2%	74.8%	25.2%	73.0%	27.0%
Some college, no degree	35.4%	64.6%	39.6%	60.4%	43.8%	56.3%
Postsecondary nondegree award	38.8%	61.2%	35.3%	64.7%	34.1%	65.9%
Associate's degree	68.3%	31.7%	54.0%	46.0%	50.8%	49.2%
Bachelor's degree	65.1%	34.9%	64.0%	36.0%	62.8%	37.2%
Master's degree	61.0%	39.0%	68.3%	31.7%	65.9%	34.1%
Doctoral or professional degree	82.0%	18.0%	72.1%	27.9%	70.5%	29.5%

Workforce Region 3 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	32,488	119,608	148,509	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1021	General and Operations Managers	34,786	81,814	101,057	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	27,175	65,018	101,284	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2011	Advertising and Promotions Managers	44,478	101,429	117,789	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	53,524	122,078	154,714	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	56,366	89,210	107,432	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	50,517	101,814	118,595	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	42,983	92,944	99,757	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	72,908	134,359	159,984	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	42,783	84,180	101,452	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	44,601	86,284	117,595	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	56,356	107,881	133,873	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	68,317	119,686	97,811	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	60,425	97,671	115,736	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	54,664	87,944	110,366	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	53,432	100,073	122,151	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	33,874	72,825	77,206	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-9021	Construction Managers	40,133	59,914	63,094	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9031	Education and Childcare Administrators, Preschool and Daycare	24,901	41,087	47,603	No	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	56,512	79,898	92,887	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	43,250	89,771	106,369	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	38,795	72,898	91,073	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9041	Architectural and Engineering Managers	78,425	129,886	153,825	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	42,848	52,130	59,525	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	42,223	80,670	88,717	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	31,298	60,324	69,846	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	61,851	93,500	105,572	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	47,539	86,444	106,873	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	71,745	80,506	88,353	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	29,365	57,144	66,492	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	28,295	49,102	59,335	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9161	Emergency Management Directors	44,340	75,905	91,916	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	38,612	75,089	91,879	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	41,655	88,530	90,783	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes										
13-1020	Buyers and Purchasing Agents	33,519	62,286	78,141	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1031	Claims Adjusters, Examiners, and Investigators	35,514	60,159	74,007	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	44,945	62,991	73,861	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	28,786	43,904	47,418	Yes	Yes	No	Bachelor's degree	No	No	No
13-1051	Cost Estimators	33,209	50,123	58,604	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	29,646	54,076	63,808	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	17,349	53,991	73,210	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	32,912	63,202	79,616	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1111	Management Analysts	39,197	52,578	60,107	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1121	Meeting, Convention, and Event Planners	23,380	46,137	56,145	No	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	20,256	54,468	84,572	No	Yes	Yes	Bachelor's degree	No	No	Yes
13-1141	Compensation, Benefits, and Job Analysis Specialists	31,683	52,717	61,662	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	22,641	39,861	49,046	No	No	No	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	37,445	66,848	76,776	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1198	Project Management Specialists and Business Operations Specialists, All Other	31,756	60,903	83,662	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2011	Accountants and Auditors	32,374	53,758	65,799	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	23,921	50,866	63,440	No	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	41,527	68,123	81,963	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2041	Credit Analysts	42,058	76,097	90,798	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	28,439	94,262	115,855	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	31,674	64,265	81,660	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2061	Financial Examiners	42,214	76,418	92,163	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	30,455	46,063	48,804	Yes	Yes	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	29,688	59,302	76,723	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2081	Tax Examiners and Collectors, and Revenue Agents	25,964	44,579	51,663	No	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	17,652	43,167	55,971	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	44,070	69,758	85,122	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1211	Computer Systems Analysts	43,763	80,615	97,176	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	47,521	87,242	110,622	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	66,969	109,953	128,447	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	31,528	60,516	74,127	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	31,672	40,888	45,062	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	55,577	99,184	120,712	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	39,291	63,017	83,386	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
15-1245	Database Administrators and Architects	43,240	88,259	112,894	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	42,077	73,384	90,715	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	49,775	91,677	112,858	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	30,813	62,148	76,940	Yes	Yes	Yes	Associate's degree	No	Yes	Yes

Workforce Region 3 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	30,327	72,532	94,839	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2011	Actuaries										
15-2021	Mathematicians										
15-2031	Operations Research Analysts	32,701	64,742	82,384	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2041	Statisticians	27,046	66,245	87,342	No	Yes	Yes	Master's degree	No	Yes	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	47,291	85,170	108,559	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	42,791	76,729	93,208	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	39,336	66,245	83,383	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1021	Cartographers and Photogrammetrists	40,280	62,203	73,888	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	31,265	63,803	77,246	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2011	Aerospace Engineers	61,186	100,393	119,667	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers										
17-2031	Bioengineers and Biomedical Engineers	57,135	83,521	100,274	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers										
17-2051	Civil Engineers	50,758	92,539	118,375	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	58,280	94,042	113,976	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	54,248	90,953	111,061	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	60,883	93,804	109,430	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	37,934	75,107	92,539	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	43,130	76,546	94,922	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	48,996	79,158	94,867	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	44,423	73,604	87,993	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	46,705	88,140	107,423	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	47,062	82,210	102,465	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	67,372	108,275	132,535	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	78,892	99,504	112,390	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	67,812	147,291	181,091	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	47,090	90,284	114,049	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	29,618	53,294	63,133	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3012	Electrical and Electronics Drafters	21,437	47,887	59,435	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	32,545	55,650	68,206	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	30,749	50,582	58,317	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	37,320	62,927	81,165	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	28,367	44,975	55,249	Yes	Yes	Yes	Associate's degree	No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	29,383	55,219	68,792	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	30,419	48,703	56,521	Yes	Yes	Yes	Associate's degree	No	Yes	No
17-3025	Environmental Engineering Technologists and Technicians	24,883	40,079	47,979	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	31,473	50,243	59,655	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	28,769	50,710	65,374	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	30,945	47,751	67,534	Yes	Yes	Yes	Associate's degree	No	No	Yes
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	34,662	54,834	65,172	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists										
19-1012	Food Scientists and Technologists	29,420	53,313	67,097	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	29,181	66,226	89,881	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1021	Biochemists and Biophysicists	40,418	73,219	83,383	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	33,186	57,565	70,277	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	29,722	48,666	54,770	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	34,909	65,310	84,382	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1031	Conservation Scientists	42,880	55,158	64,012	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1032	Foresters	42,562	69,544	88,946	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1041	Epidemiologists	30,162	50,618	63,028	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	37,989	80,588	95,609	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	46,210	95,600	119,897	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers										
19-2012	Physicists	78,517	133,974	152,121	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	54,257	90,724	106,635	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	33,251	59,527	73,155	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	45,523	94,583	122,994	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	31,858	55,439	62,349	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	47,530	82,989	105,434	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	42,993	87,755	103,125	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	43,515	107,386	125,707	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	48,474	86,499	97,561	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	27,046	66,245	87,342	No	Yes	Yes	Master's degree	No	Yes	Yes
19-3031	Clinical, Counseling, and School Psychologists	35,661	70,946	80,844	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	27,046	66,245	87,342	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	42,260	89,762	105,911	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists										
19-3051	Urban and Regional Planners	41,842	60,683	69,601	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3091	Anthropologists and Archeologists	30,162	50,618	63,028	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	22,885	53,698	78,856	No	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	50,105	76,088	89,890	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	17,679	33,434	40,491	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	25,470	40,766	50,627	No	No	Yes	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	28,751	46,714	56,337	Yes	Yes	Yes	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	23,976	42,773	48,895	No	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	24,122	42,672	51,672	No	No	Yes	Associate's degree	No	No	No
19-4051	Nuclear Technicians	64,549	88,259	100,036	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	24,709	49,299	57,162	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	31,206	46,142	56,209	Yes	Yes	Yes	Associate's degree	Yes	No	No
19-4092	Forensic Science Technicians	31,097	50,013	59,664	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	19,256	44,111	55,512	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	32,673	59,082	84,387	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-5012	Occupational Health and Safety Technicians	24,773	46,054	59,710	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	32,613	58,144	72,764	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	27,458	38,915	45,788	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	20,383	32,343	37,457	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	27,057	40,255	48,899	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	21,840	33,269	37,063	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	26,890	39,354	42,658	No	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	30,052	47,212	56,437	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	24,122	41,004	48,538	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	31,995	48,364	61,158	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	18,538	28,090	30,483	No	No	No	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	28,570	38,582	43,063	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	21,405	26,388	25,308	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	21,418	31,125	33,120	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	20,599	35,856	43,048	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	26,686	33,514	34,949	No	No	No	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	23,481	42,901	51,681	No	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	17,991	39,868	52,855	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	50,477	86,276	97,583	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	27,788	47,062	53,239	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	35,606	94,005	115,122	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	23,407	65,328	92,411	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	133,873	172,100	156,996	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	27,679	35,298	40,207	Yes	No	No	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	30,914	48,153	56,301	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	24,443	53,120	56,750	No	Yes	Yes	Associate's degree	No	Yes	No
25-1011	Business Teachers, Postsecondary	54,532	100,054	117,669	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	42,791	90,587	113,380	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	39,116	76,244	100,623	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	24,306	83,117	103,720	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	49,638	101,457	124,277	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1041	Agricultural Sciences Teachers, Postsecondary	50,811	95,838	116,652	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	38,805	82,549	101,081	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary										
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	43,763	87,214	108,046	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	47,988	80,707	95,325	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	21,474	68,957	80,945	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	44,753	86,829	109,714	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	53,377	85,317	96,407	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	39,785	73,696	89,515	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary										
25-1064	Geography Teachers, Postsecondary										
25-1065	Political Science Teachers, Postsecondary	48,565	86,334	97,268	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	38,493	74,786	89,230	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	39,446	74,466	90,798	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	40,463	77,114	102,309	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	52,671	106,910	114,058	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	52,671	106,910	114,058	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	38,905	62,725	74,438	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary										
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	36,431	82,036	89,322	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	51,507	139,427	184,794	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary										
25-1121	Art, Drama, and Music Teachers, Postsecondary	30,620	90,816	103,876	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	38,126	66,455	78,526	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	28,650	70,360	97,461	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	43,378	78,828	101,594	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	26,725	76,335	87,782	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	41,380	85,821	100,916	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	30,584	61,607	74,713	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	29,081	51,297	60,801	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	21,034	51,214	64,375	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	21,105	37,799	48,333	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	39,094	59,217	67,870	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2021	Elementary School Teachers, Except Special Education	37,317	56,486	67,014	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	35,827	59,627	70,871	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	27,468	54,110	69,113	Yes	Yes	Yes	Bachelor's degree	No	No	No

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	36,224	57,584	69,733	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	35,804	53,486	61,807	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2051	Special Education Teachers, Preschool	29,374	57,006	72,513	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	37,512	58,610	70,781	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2057	Special Education Teachers, Middle School	37,595	54,651	64,146	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	38,291	57,794	69,232	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	25,680	47,502	57,749	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	24,997	34,744	38,750	No	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	18,165	37,851	49,271	No	No	No	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	18,144	21,366	23,130	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	19,850	62,484	87,375	No	Yes	Yes	Bachelor's degree	No	No	Yes
25-4011	Archivists	25,048	39,914	46,494	No	No	No	Master's degree	No	No	No
25-4012	Curators	26,524	50,591	57,584	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	20,960	37,815	45,559	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	23,400	51,275	66,272	No	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	19,526	24,561	25,330	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	18,837	32,630	43,370	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	30,730	56,960	70,323	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	17,542	34,946	45,092	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	18,349	23,128	25,868	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	21,501	45,953	58,638	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	42,975	87,837	94,784	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists										
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	17,615	43,460	58,189	No	Yes	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	39,116	60,315	71,689	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	27,843	78,544	96,022	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	36,550	61,946	72,330	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1022	Fashion Designers	29,685	57,345	66,318	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	19,796	29,154	33,645	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	27,724	47,301	57,400	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	22,445	48,859	57,978	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	19,375	31,986	35,322	No	No	No	Some college, no degree	No	Yes	No
27-1027	Set and Exhibit Designers	20,722	45,101	56,007	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	29,420	53,808	61,717	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	19,635	40,547	45,104	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	30,144	67,106	79,296	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-2021	Athletes and Sports Competitors	17,157	65,072	76,546	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	18,128	41,756	49,014	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	17,175	36,046	43,021	No	No	No	Some college, no degree	No	Yes	Yes
27-2031	Dancers										
27-2032	Choreographers										
27-2041	Music Directors and Composers	17,267	60,553	70,424	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	17,367	82,239	115,294	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	17,368	23,856	27,761	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,248	54,587	67,079	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	26,395	58,097	67,390	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	32,725	56,654	73,192	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	22,573	50,857	59,444	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	31,528	57,410	70,699	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	26,047	62,533	65,429	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	21,373	50,078	64,063	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	17,771	46,879	77,041	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	17,542	41,197	51,269	No	No	Yes	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	25,030	45,724	56,172	No	Yes	Yes	Associate's degree	No	No	No
27-4012	Broadcast Technicians	20,218	42,828	52,286	No	No	Yes	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	21,639	51,791	59,490	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	17,588	33,535	37,100	No	No	No	Some college, no degree	No	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	21,464	45,697	56,823	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	29,218	49,473	59,609	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	22,665	74,475	96,691	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	31,922	77,673	87,883	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	82,082	165,813	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	58,509	215,368	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1023	Orthodontists	82,082	165,813	190,632	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists										
29-1029	Dentists, All Other Specialists	52,488	160,672	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	52,759	67,852	77,426	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
29-1041	Optometrists	41,444	97,561	122,884	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1051	Pharmacists	85,608	114,709	137,045	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1071	Physician Assistants	58,812	99,734	120,410	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	49,363	121,629	166,785	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1122	Occupational Therapists	61,271	100,040	120,688	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	68,468	88,373	98,668	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1124	Radiation Therapists	52,900	77,756	90,220	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 3 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
29-1125	Recreational Therapists	25,882	46,842	55,852	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	42,535	55,127	60,562	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	41,740	69,440	84,716	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	32,563	49,628	60,938	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	29,108	47,218	55,265	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	53,954	103,271	115,488	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	43,186	62,204	71,995	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	124,497	162,001	166,959	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,071	61,891	90,752	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	68,025	92,777	105,840	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	40,528	67,601	76,335	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	124,809	248,775	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	86,912	187,323	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	46,723	192,181	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	114,306	225,065	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	53,918	145,054	180,752	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	42,975	184,702	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	49,628	202,042	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	47,667	224,387	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	39,300	53,467	61,508	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	19,861	61,717	74,401	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	30,191	51,862	61,946	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	23,930	45,413	62,267	No	Yes	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	43,992	62,331	72,257	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	52,827	69,865	78,801	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	34,506	52,790	62,102	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	43,222	61,314	71,579	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	20,603	32,948	37,457	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	18,981	27,385	29,640	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	23,673	31,968	35,661	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	20,823	30,345	34,653	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	29,658	42,810	50,013	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	22,188	32,545	36,972	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	25,103	37,531	44,249	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	29,295	37,566	40,680	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
29-2081	Opticians, Dispensing	21,373	38,860	51,654	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	34,039	70,076	82,769	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-2092	Hearing Aid Specialists	26,670	58,060	67,069	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	24,528	40,052	48,930	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-9091	Athletic Trainers	30,519	44,771	50,838	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors										
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	26,359	54,293	67,674	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	18,328	22,220	24,668	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,208	27,225	30,578	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	19,485	25,964	28,531	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	23,435	27,513	29,328	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	46,742	61,900	71,918	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides										
31-2021	Physical Therapist Assistants	44,625	63,231	75,452	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	17,863	25,983	29,557	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	26,638	42,456	59,928	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-9091	Dental Assistants	28,988	38,885	45,903	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	22,666	29,338	32,419	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	22,143	31,308	35,908	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	18,843	31,069	35,734	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	19,732	29,869	35,689	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	19,338	27,477	32,151	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	24,287	31,812	35,872	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	23,217	36,664	46,710	No	No	No	High school diploma or equivalent	No	No	Yes
33-1011	First-Line Supervisors of Correctional Officers	31,482	43,910	45,284	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	36,693	57,389	70,408	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	39,965	46,415	50,837	Yes	Yes	Yes	Associate's degree	Yes	No	No
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	24,663	44,019	54,495	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	27,687	48,318	59,408	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	40,253	56,768	61,076	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	27,174	32,123	35,093	No	No	No	Some college, no degree	Yes	Yes	No
33-3011	Bailiffs	30,135	42,837	49,628	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	28,192	41,737	49,693	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	33,442	40,702	47,479	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	19,439	26,084	28,173	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	25,314	39,300	46,091	No	No	No	High school diploma or equivalent	No	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	28,913	40,914	47,093	Yes	No	No	Associate's degree	No	No	No
33-3052	Transit and Railroad Police	41,252	59,426	70,552	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	24,865	35,533	40,170	No	No	No	Postsecondary nondegree award	No	No	No

Workforce Region 3 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	30,574	45,220	55,109	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators										
33-9032	Security Guards	18,926	33,032	31,914	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	19,063	25,772	28,751	No	No	No	No formal educational credential	No	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	17,798	26,423	29,026	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	32,820	38,924	41,554	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	18,990	32,023	36,816	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	26,459	50,710	62,753	No	Yes	Yes	Associate's degree	No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	22,907	33,567	37,169	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	17,010	20,181	21,849	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	18,270	23,036	27,140	No	No	No	No formal educational credential	No	No	No
35-2013	Cooks, Private Household	19,292	27,642	32,426	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	20,913	27,387	30,748	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	18,028	24,342	27,825	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	19,861	27,999	32,930	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	21,759	26,176	29,605	No	No	No	No formal educational credential	Yes	No	Yes
35-3011	Bartenders	17,102	24,388	27,028	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,764	22,005	23,638	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,670	23,344	27,181	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	17,349	21,914	23,527	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	17,203	21,263	22,711	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	17,450	21,584	23,692	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	17,267	21,703	23,572	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	17,340	25,204	28,173	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	21,082	33,756	38,942	No	No	No	High school diploma or equivalent	No	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	26,881	45,669	56,062	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	18,924	27,616	28,132	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	18,571	21,277	22,632	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	19,778	33,452	48,336	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	22,381	35,927	42,819	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	20,976	28,720	30,239	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	20,740	31,188	36,073	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	20,374	33,104	41,664	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	23,994	32,847	36,330	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	33,452	51,361	60,590	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	24,773	43,185	51,260	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	20,044	36,449	41,902	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	17,908	25,799	28,036	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	16,891	22,995	25,946	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners										
39-3019	Gambling Service Workers, All Other										
39-3021	Motion Picture Projectionists										
39-3031	Ushers, Lobby Attendants, and Ticket Takers	17,468	23,352	25,928	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	17,276	22,033	23,407	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants										
39-3093	Locker Room, Coatroom, and Dressing Room Attendants										
39-3099	Entertainment Attendants and Related Workers, All Other	17,368	23,856	27,761	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	31,069	52,167	53,157	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
39-4021	Funeral Attendants	19,521	27,468	29,026	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	29,026	50,307	56,191	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-5011	Barbers	20,081	29,154	34,690	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	17,688	27,898	32,398	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance										
39-5092	Manicurists and Pedicurists	18,587	24,782	27,293	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	17,652	24,131	27,843	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,311	33,076	38,191	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	17,258	22,885	26,111	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	19,301	26,588	29,520	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	20,227	29,988	32,884	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	18,528	19,825	20,147	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	17,578	35,258	44,670	No	No	No	Postsecondary nondegree award	No	No	Yes
39-9032	Recreation Workers	19,219	36,739	54,942	No	No	Yes	Bachelor's degree	No	No	No
39-9041	Residential Advisors	19,091	28,686	34,259	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	17,267	25,864	28,631	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	26,825	40,477	47,687	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	56,529	94,219	99,317	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	18,918	21,970	23,777	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	17,404	26,230	32,426	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	18,475	31,004	39,775	No	No	No	No formal educational credential	No	Yes	Yes
41-2022	Parts Salespersons	21,244	25,563	28,150	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,337	25,823	29,655	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	22,922	41,700	51,922	No	No	Yes	Some college, no degree	Yes	Yes	Yes
41-3021	Insurance Sales Agents	32,157	60,455	80,534	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	34,065	46,049	45,912	Yes	Yes	No	Bachelor's degree	No	No	No
41-3041	Travel Agents	18,321	37,036	45,541	No	No	No	Some college, no degree	No	Yes	Yes

Workforce Region 3 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	22,766	57,327	69,462	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	30,391	84,236	112,574	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	19,075	63,195	98,522	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-9011	Demonstrators and Product Promoters	18,972	35,963	45,229	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models										
41-9021	Real Estate Brokers	24,507	61,241	63,752	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	18,321	56,016	64,760	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	51,425	102,346	132,168	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	18,046	25,488	28,036	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,230	25,268	27,449	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	18,651	33,095	35,689	No	No	No	Some college, no degree	No	Yes	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	28,417	47,503	60,071	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	19,375	28,063	31,436	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	22,115	28,787	29,905	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	27,064	37,457	44,285	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	18,865	36,994	45,445	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	24,211	33,422	38,449	No	No	No	High school diploma or equivalent	No	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	22,853	35,168	42,448	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	18,183	25,625	28,961	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	28,821	40,923	48,407	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	27,907	39,648	46,036	Yes	No	No	Associate's degree	No	No	No
43-3071	Tellers	24,615	32,441	37,338	No	No	No	High school diploma or equivalent	No	No	No
43-3099	Financial Clerks, All Other	28,082	42,929	50,188	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	32,398	49,775	59,463	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks										
43-4031	Court, Municipal, and License Clerks	27,205	32,126	33,691	No	No	No	Some college, no degree	Yes	Yes	No
43-4041	Credit Authorizers, Checkers, and Clerks	26,084	39,703	45,550	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	21,649	33,720	37,850	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	24,581	33,223	39,629	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	23,031	29,043	32,066	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	18,073	24,223	27,101	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	18,293	33,617	38,227	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	18,559	21,477	22,559	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	23,921	39,739	47,649	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-4141	New Accounts Clerks	27,303	37,302	42,425	No	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	21,171	32,187	36,486	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	30,609	56,308	74,428	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
43-4171	Receptionists and Information Clerks	19,543	27,706	33,291	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	21,758	38,612	53,404	No	No	Yes	High school diploma or equivalent	No	No	Yes
43-4199	Information and Record Clerks, All Other	30,054	43,576	57,658	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5011	Cargo and Freight Agents	24,846	40,803	47,053	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-5021	Couriers and Messengers	19,411	29,658	34,470	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	26,178	30,796	32,204	No	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	19,831	38,655	51,271	No	No	Yes	High school diploma or equivalent	No	No	Yes
43-5041	Meter Readers, Utilities	24,150	38,411	45,385	No	No	No	High school diploma or equivalent	No	No	No
43-5051	Postal Service Clerks	37,762	51,406	62,986	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,610	54,344	68,338	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	31,564	47,301	57,721	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	21,958	39,994	42,804	No	No	No	Some college, no degree	No	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	24,876	36,689	44,092	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	24,315	33,626	38,172	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	23,898	40,293	47,533	No	No	No	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	27,504	43,589	53,075	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	20,324	30,160	32,040	No	No	No	Some college, no degree	No	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	21,074	32,868	39,002	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	21,597	29,989	34,309	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	20,305	26,122	33,870	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	26,368	48,501	53,001	No	Yes	Yes	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	25,360	38,557	43,598	No	No	No	High school diploma or equivalent	No	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	18,862	28,998	34,130	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	19,899	31,031	34,599	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	18,660	30,602	35,569	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers										
43-9111	Statistical Assistants										
43-9199	Office and Administrative Support Workers, All Other	22,757	33,967	39,100	No	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	28,686	51,104	56,264	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	18,797	34,195	43,259	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	20,044	36,449	41,902	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	23,499	31,069	34,882	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	21,244	30,749	35,148	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	17,404	22,546	23,426	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	19,228	29,548	37,870	No	No	No	No formal educational credential	No	Yes	Yes

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	18,018	26,579	26,853	No	No	No	No formal educational credential	No	No	No
45-3031	Fishing and Hunting Workers	19,228	29,548	37,870	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	33,214	37,925	41,206	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	25,130	34,424	37,751	No	No	No	High school diploma or equivalent	No	No	No
45-4022	Logging Equipment Operators	19,179	33,815	39,201	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	21,162	30,547	35,569	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,083	43,433	54,706	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	34,777	56,482	71,994	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	32,142	47,566	55,815	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	26,936	39,217	45,715	No	No	No	High school diploma or equivalent	Yes	Yes	No
47-2022	Stonemasons	30,162	36,248	39,941	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	26,546	37,097	43,527	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	17,157	29,887	38,557	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,014	36,660	47,750	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	23,976	32,811	37,476	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	24,058	36,000	41,875	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	23,682	36,477	43,149	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	31,179	41,050	46,164	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	21,378	29,745	34,677	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	24,507	34,424	37,063	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators										
47-2073	Operating Engineers and Other Construction Equipment Operators	25,248	33,449	37,359	No	No	No	High school diploma or equivalent	No	No	No
47-2081	Drywall and Ceiling Tile Installers	21,290	34,240	41,802	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	17,331	37,686	46,182	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	33,206	41,153	46,781	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	24,929	38,731	46,604	No	No	No	High school diploma or equivalent	No	No	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	25,158	36,101	42,443	No	No	No	High school diploma or equivalent	No	No	No
47-2132	Insulation Workers, Mechanical	26,817	36,559	42,287	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	25,465	36,026	40,371	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	30,263	43,882	56,172	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	25,864	36,092	41,087	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	26,612	30,976	32,047	No	No	No	Postsecondary nondegree award	Yes	No	No
47-2161	Plasterers and Stucco Masons	20,951	34,625	41,893	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	28,989	41,673	47,924	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	19,293	39,135	48,117	No	No	No	No formal educational credential	No	Yes	Yes
47-2211	Sheet Metal Workers	24,379	38,951	46,210	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2221	Structural Iron and Steel Workers	25,075	40,482	47,832	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2231	Solar Photovoltaic Installers	23,380	33,095	37,017	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20,355	27,953	32,737	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	20,502	29,768	34,818	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	20,841	28,604	32,967	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	18,972	25,873	30,144	No	No	No	No formal educational credential	No	No	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	21,400	28,677	32,197	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	22,638	31,344	35,881	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	21,134	28,952	33,306	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	32,948	56,026	68,288	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	37,971	71,175	89,615	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	23,582	35,276	43,332	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	24,764	36,477	43,259	No	No	No	High school diploma or equivalent	No	No	No
47-4051	Highway Maintenance Workers	21,623	26,794	29,145	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	31,390	44,129	50,600	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	23,637	35,074	37,870	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	25,075	35,661	40,344	No	No	No	High school diploma or equivalent	No	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas										
47-5013	Service Unit Operators, Oil and Gas										
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	24,012	37,806	43,827	No	No	No	High school diploma or equivalent	No	No	No
47-5041	Continuous Mining Machine Operators	33,269	52,946	63,165	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining										
47-5051	Rock Splitters, Quarry	28,109	34,369	36,477	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	31,500	41,490	46,961	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	21,721	31,436	36,761	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	24,251	42,031	48,868	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	32,692	52,048	66,749	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	38,887	75,648	95,531	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	19,425	35,985	37,765	No	No	No	Postsecondary nondegree award	No	Yes	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	28,732	52,928	67,519	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	31,289	52,515	67,033	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	31,225	53,991	65,603	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	25,946	39,749	47,035	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	30,996	50,481	63,587	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	32,160	50,307	59,261	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	38,915	65,805	83,566	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	23,407	34,873	41,609	No	No	No	Postsecondary nondegree award	No	No	Yes
49-2097	Audiovisual Equipment Installers and Repairers	22,243	40,326	51,187	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	26,001	41,453	50,233	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	31,482	62,432	81,239	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	24,296	45,724	53,276	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	20,053	34,369	39,629	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	25,814	39,828	46,962	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	28,583	40,287	47,465	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	24,361	38,960	47,236	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	34,240	45,620	51,868	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	33,526	51,416	58,317	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	25,909	45,917	58,024	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	23,517	33,801	39,785	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	21,235	33,727	40,253	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	20,484	27,577	31,372	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	25,085	44,019	55,595	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
49-3093	Tire Repairers and Changers	19,329	28,751	33,984	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	22,298	36,953	43,470	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	28,925	46,540	55,173	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	27,795	35,387	39,086	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-9031	Home Appliance Repairers	24,269	37,173	44,441	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9041	Industrial Machinery Mechanics	29,569	47,148	59,324	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	21,462	28,558	29,701	No	No	No	High school diploma or equivalent	No	No	No
49-9044	Millwrights	29,475	45,990	56,713	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	31,170	54,623	71,020	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	27,972	42,177	47,942	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers										
49-9062	Medical Equipment Repairers	25,167	47,163	59,004	No	Yes	Yes	Associate's degree	No	No	Yes
49-9063	Musical Instrument Repairers and Tuners										
49-9064	Watch and Clock Repairers										
49-9069	Precision Instrument and Equipment Repairers, All Other										
49-9071	Maintenance and Repair Workers, General	25,304	37,082	45,483	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	41,279	67,592	82,118	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	17,918	28,265	34,176	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	31,106	46,155	46,879	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	24,021	37,641	46,320	No	No	No	High school diploma or equivalent	No	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	19,576	26,945	29,447	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	29,887	45,119	54,623	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	36,394	60,782	73,173	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	18,455	23,436	28,299	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	34,844	48,570	57,822	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-1011	First-Line Supervisors of Production and Operating Workers	31,588	47,925	61,823	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	17,661	37,870	48,932	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers										
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	19,815	30,364	34,680	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	23,472	27,807	29,172	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	23,563	33,471	38,273	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	23,829	33,012	36,752	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	23,432	35,017	39,959	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	19,292	27,642	32,426	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	20,190	32,389	38,181	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	19,943	28,567	33,920	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	20,548	26,239	28,806	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	23,499	31,069	34,882	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,174	27,889	32,233	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	17,853	25,763	29,915	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	19,430	25,085	28,137	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	23,664	32,664	37,091	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	24,260	32,765	36,257	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic										
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,117	29,942	34,864	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30,730	50,545	61,717	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,346	30,061	35,019	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,162	34,946	41,087	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic										

Workforce Region 3 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	25,259	39,923	47,722	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders										
51-4052	Pourers and Casters, Metal										
51-4061	Model Makers, Metal and Plastic										
51-4062	Patternmakers, Metal and Plastic										
51-4071	Foundry Mold and Coremakers										
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	19,448	30,804	36,183	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	23,490	33,251	36,504	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	27,431	48,895	57,730	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	29,872	39,279	45,088	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	23,142	32,692	37,540	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic										
51-4192	Layout Workers, Metal and Plastic										
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic										
51-4194	Tool Grinders, Filers, and Sharpeners	24,131	33,003	36,568	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other										
51-5111	Prepress Technicians and Workers	20,951	35,496	42,379	No	No	No	Postsecondary nondegree award	No	No	Yes
51-5112	Printing Press Operators	22,357	29,780	34,712	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	19,228	29,227	35,221	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,443	22,488	26,096	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	17,551	22,427	25,460	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	17,615	25,662	29,053	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	18,156	28,412	34,195	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders										
51-6051	Sewers, Hand	19,430	26,157	31,161	No	No	No	No formal educational credential	No	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	18,357	27,238	31,839	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	23,646	28,512	32,426	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders										
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	17,478	24,241	27,605	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	19,320	41,472	64,558	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers										
51-6092	Fabric and Apparel Patternmakers										
51-6093	Upholsterers	22,106	35,762	42,461	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,148	25,259	30,859	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	22,995	34,323	40,693	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	18,248	33,837	41,939	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	25,474	30,913	34,509	No	No	No	High school diploma or equivalent	Yes	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	26,391	39,211	47,803	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-7099	Woodworkers, All Other	20,933	37,430	52,103	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators										
51-8012	Power Distributors and Dispatchers	46,595	74,585	93,501	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	41,279	67,592	82,118	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	35,789	53,432	60,306	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	27,593	37,940	46,008	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators										
51-8092	Gas Plant Operators	30,336	43,955	52,800	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers										
51-8099	Plant and System Operators, All Other	35,918	54,908	58,812	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders										
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	22,619	35,175	42,370	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	21,904	33,021	38,044	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,134	30,758	34,854	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	23,362	33,516	37,457	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	19,247	32,490	38,722	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	21,483	31,977	37,549	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	21,859	31,152	35,386	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,098	30,208	34,772	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	19,474	35,562	43,371	No	No	No	Postsecondary nondegree award	No	No	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	22,408	41,462	52,891	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	20,273	38,832	47,475	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	23,444	42,296	49,702	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	20,227	31,418	35,459	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	18,064	27,559	32,554	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,073	30,107	38,823	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	24,104	36,678	41,820	No	No	No	High school diploma or equivalent	No	No	No
51-9141	Semiconductor Processing Technicians										

Workforce Region 3 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	22,170	38,520	46,164	No	No	No	High school diploma or equivalent	No	No	Yes
51-9161	Computer Numerically Controlled Tool Operators	24,260	36,403	43,185	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9162	Computer Numerically Controlled Tool Programmers	32,536	49,894	58,546	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	19,778	31,793	38,530	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders										
51-9193	Cooling and Freezing Equipment Operators and Tenders	19,897	34,048	42,067	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,129	24,489	30,437	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	21,950	31,115	35,294	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	23,582	33,736	37,961	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders										
51-9198	Helpers--Production Workers	18,495	26,725	29,924	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	18,449	28,705	32,490	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	31,894	58,335	72,413	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	35,074	52,474	61,843	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	89,982	210,548	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	39,529	115,882	145,128	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	63,706	112,409	139,308	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	23,297	42,736	55,366	No	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants										
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,090	26,743	29,026	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,652	24,635	29,324	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	25,076	37,794	43,970	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	18,687	29,769	43,793	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	22,097	33,718	39,135	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	18,563	27,644	34,680	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	18,422	28,091	33,608	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	49,079	61,625	67,885	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers										
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers										
53-4031	Railroad Conductors and Yardmasters	49,528	62,230	70,836	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	20,520	38,667	54,495	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other										
53-5011	Sailors and Marine Oilers	21,849	37,714	44,689	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	20,493	74,337	96,938	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators										
53-5031	Ship Engineers	30,153	67,262	82,393	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	23,545	36,605	44,945	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	17,468	22,638	26,001	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	18,504	25,479	28,641	No	No	No	No formal educational credential	No	No	No
53-6041	Traffic Technicians	26,404	43,873	50,921	No	Yes	Yes	Associate's degree	No	No	No
53-6051	Transportation Inspectors	48,235	84,758	112,253	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,230	22,537	24,296	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	20,667	30,428	35,652	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	18,339	31,134	37,347	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	32,811	55,961	68,023	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	31,289	44,157	51,269	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators										
53-7051	Industrial Truck and Tractor Operators	26,423	42,349	39,783	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	21,847	35,197	32,569	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	19,743	32,378	35,742	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	18,339	29,759	35,569	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	17,954	23,252	24,058	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	20,607	29,373	32,544	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	18,605	37,329	44,469	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	19,448	27,028	31,681	No	No	No	No formal educational credential	No	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders										
53-7199	Material Moving Workers, All Other	20,841	39,052	49,683	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 3 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	27,325	42,847	50,333	
1	No formal educational credential	19,614	26,585	29,433	75
2	High school diploma or equivalent	25,424	38,810	46,017	192
3	Some college, no degree	22,228	31,323	36,116	46
4	Postsecondary nondegree award	25,072	35,719	41,245	79
5	Associate's degree	31,033	48,650	58,155	61
6	Bachelor's degree	36,301	63,214	76,125	166
7	Master's degree	40,243	64,956	77,427	35
8	Doctoral or professional degree	57,685	109,376	122,082	56

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	444	266	381	329	362	348
No formal educational credential	54.7%	45.3%	41.3%	58.7%	36.0%	64.0%
High school diploma or equivalent	80.7%	19.3%	78.1%	21.9%	75.0%	25.0%
Some college, no degree	37.0%	63.0%	13.0%	87.0%	21.7%	78.3%
Postsecondary nondegree award	44.3%	55.7%	26.6%	73.4%	25.3%	74.7%
Associate's degree	59.0%	41.0%	39.3%	60.7%	39.3%	60.7%
Bachelor's degree	54.2%	45.8%	54.2%	45.8%	49.4%	50.6%
Master's degree	68.6%	31.4%	57.1%	42.9%	51.4%	48.6%
Doctoral or professional degree	82.1%	17.9%	69.6%	30.4%	66.1%	33.9%

Workforce Region 4 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	19,927	200,387	*	No	Yes	Yes*	Bachelor's degree	No	Yes	Yes*
11-1021	General and Operations Managers	41,454	82,872	105,273	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	18,335	58,953	104,988	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-2011	Advertising and Promotions Managers	46,213	105,386	122,383	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	33,590	105,226	132,552	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2022	Sales Managers	47,003	111,530	137,530	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	23,571	56,936	64,710	No	Yes	Yes	Bachelor's degree	No	No	No
11-3010	Administrative Services and Facilities Managers	28,462	73,108	87,688	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-3021	Computer and Information Systems Managers	66,104	113,702	149,086	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	40,571	107,226	131,810	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	45,124	86,684	115,511	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	58,554	112,089	139,095	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	45,470	77,848	93,255	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	62,782	101,481	120,250	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	60,383	105,508	104,576	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	58,892	103,707	127,442	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	35,195	75,666	80,218	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
11-9021	Construction Managers	46,537	68,066	77,748	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9031	Education and Childcare Administrators, Preschool and Daycare	31,471	38,081	39,700	Yes	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	52,400	91,611	112,479	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	44,937	93,273	110,518	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9039	Education Administrators, All Other	40,309	75,742	94,625	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9041	Architectural and Engineering Managers	72,913	120,127	140,148	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	23,588	63,329	67,859	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	43,870	83,817	92,178	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	42,515	58,952	69,422	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9111	Medical and Health Services Managers	45,017	88,653	112,118	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	48,082	77,769	103,385	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	68,324	84,169	92,854	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	34,989	54,917	66,338	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	48,455	68,923	77,778	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9161	Emergency Management Directors	46,070	78,865	95,501	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	40,118	78,018	95,463	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	50,465	91,307	109,924	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	32,491	81,475	97,977	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	32,487	72,599	96,706	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1031	Claims Adjusters, Examiners, and Investigators	52,930	74,762	85,827	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	46,698	65,448	76,742	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	30,941	56,762	68,781	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	28,789	54,288	65,841	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	31,070	58,713	72,378	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	18,026	56,097	76,066	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	53,019	80,929	96,612	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1111	Management Analysts	42,658	89,177	105,503	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	34,620	52,535	53,387	Yes	Yes	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	26,377	53,269	66,305	No	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	32,919	54,773	64,067	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	22,883	56,827	77,389	No	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	25,623	55,379	71,438	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	30,262	71,940	94,620	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2011	Accountants and Auditors	36,121	63,680	77,162	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	24,854	52,850	65,915	No	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	52,905	71,749	84,396	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	43,699	79,065	94,339	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	39,256	142,881	120,374	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	32,910	66,772	84,845	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	43,861	79,399	95,758	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	31,643	47,860	50,707	Yes	Yes	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	30,914	59,295	77,306	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,327	55,046	89,513	No	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	18,340	44,851	58,154	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	43,572	75,322	95,358	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1211	Computer Systems Analysts	46,746	76,459	95,051	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	64,179	95,625	116,346	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	69,581	114,241	133,458	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	33,336	59,495	77,351	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	32,993	53,000	66,898	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	68,345	98,132	121,605	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	47,450	69,158	84,489	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1245	Database Administrators and Architects	58,130	90,696	106,016	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	43,718	76,247	94,254	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	47,184	81,953	105,071	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	26,802	44,270	58,282	No	No	Yes	Associate's degree	No	No	No

Workforce Region 4 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	60,484	83,060	97,312	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2011	Actuaries	47,079	111,194	137,124	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	67,067	100,539	113,699	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	33,280	94,445	118,608	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2041	Statisticians	28,101	68,829	90,749	No	Yes	Yes	Master's degree	No	No	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	49,136	88,493	112,794	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	44,461	79,722	96,844	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	40,871	68,829	86,636	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1021	Cartographers and Photogrammetrists	41,851	64,629	76,770	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	26,433	52,443	69,169	No	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	63,572	104,309	124,335	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	41,642	76,818	94,987	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	59,363	86,779	104,186	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	47,651	93,025	117,631	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	48,498	83,174	101,805	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	68,360	97,842	118,503	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	59,308	93,336	106,447	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	72,155	107,488	118,615	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	39,498	82,565	99,751	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	44,813	79,532	98,625	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	63,971	105,455	123,501	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	46,156	76,475	91,426	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	48,527	91,578	111,613	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	62,271	99,298	118,605	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	70,000	112,499	137,705	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	81,970	103,386	116,774	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	70,457	153,036	188,155	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	86,056	120,219	140,132	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	28,220	42,879	52,026	No	No	No	Associate's degree	No	No	No
17-3012	Electrical and Electronics Drafters	22,273	49,755	61,753	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	34,608	51,401	63,210	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	31,948	52,555	60,592	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	38,776	65,381	84,331	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	29,434	49,536	61,639	Yes	Yes	Yes	Associate's degree	No	No	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	48,947	74,617	89,216	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	31,605	50,603	58,725	Yes	Yes	Yes	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	25,854	41,642	49,850	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	32,700	52,202	61,982	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	29,891	52,688	67,924	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	30,202	42,761	49,192	Yes	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	39,856	69,335	87,184	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists										
19-1012	Food Scientists and Technologists	30,567	55,392	69,714	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	30,320	68,810	93,387	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1021	Biochemists and Biophysicists	41,994	76,075	86,636	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	34,481	59,811	73,019	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	30,881	50,564	56,906	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	28,445	63,373	86,964	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	42,802	66,994	82,692	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1032	Foresters	44,222	72,257	92,416	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-1041	Epidemiologists	31,339	52,593	65,486	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	39,471	83,731	99,339	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1099	Life Scientists, All Other	48,012	99,329	124,573	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	81,579	139,200	158,054	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	81,579	139,200	158,054	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	56,373	94,263	110,794	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	34,548	61,849	76,009	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	47,298	98,272	127,792	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	32,728	42,932	45,621	Yes	No	No	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	49,384	86,226	109,547	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	44,670	91,178	107,147	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	45,213	111,575	130,611	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	50,365	89,873	101,367	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	28,101	68,829	90,749	No	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	33,464	53,480	67,620	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	28,101	68,829	90,749	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	43,908	93,263	110,042	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	50,507	72,142	87,512	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	38,275	76,187	99,749	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3091	Anthropologists and Archeologists	31,339	52,593	65,486	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	60,954	80,046	92,654	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	23,778	55,792	81,932	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	52,060	79,056	93,397	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	18,369	34,738	42,070	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	29,202	40,930	48,050	Yes	No	No	Bachelor's degree	No	No	No

Workforce Region 4 Wages by Detailed Occupation

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
19-4031	Chemical Technicians	29,872	48,536	58,535	Yes	Yes	Yes	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	33,050	47,230	59,210	Yes	Yes	Yes	Associate's degree	Yes	No	No
19-4045	Geological and Hydrologic Technicians	25,063	44,337	53,688	No	No	Yes	Associate's degree	No	No	No
19-4051	Nuclear Technicians	67,067	91,702	103,938	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	25,673	51,222	59,392	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	29,729	44,765	53,526	Yes	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	32,310	51,964	61,991	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	20,007	45,832	57,678	No	No	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	34,450	74,167	91,382	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-5012	Occupational Health and Safety Technicians	25,739	47,851	62,039	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	34,706	55,627	70,005	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	28,529	40,433	47,574	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	21,178	33,605	38,918	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	27,250	42,420	52,579	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	22,692	34,567	38,509	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	28,618	44,363	50,706	Yes	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	36,263	54,832	63,430	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	18,959	37,937	49,500	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	33,243	50,250	63,544	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	30,993	43,030	40,315	Yes	No	No	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	29,920	38,338	42,470	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	20,076	33,510	40,384	No	No	No	Some college, no degree	No	No	Yes
21-1094	Community Health Workers	25,073	39,985	47,108	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	25,314	35,142	37,474	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	27,034	52,117	60,858	No	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	24,397	44,575	53,697	No	No	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	18,693	41,423	54,916	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	54,304	110,486	121,655	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	28,872	48,898	55,316	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	36,995	97,672	119,612	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	24,320	67,876	96,015	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	139,095	178,814	163,120	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	28,219	46,661	57,274	No	Yes	Yes	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	32,119	50,031	58,497	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	25,397	55,192	58,963	No	Yes	Yes	Associate's degree	No	Yes	No
25-1011	Business Teachers, Postsecondary	56,659	103,957	122,259	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	44,461	94,120	117,803	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	40,642	79,218	104,548	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	25,254	86,360	107,766	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	51,574	105,414	129,125	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	52,793	99,577	121,202	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	40,318	85,769	105,024	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	65,743	107,747	126,725	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	45,470	90,616	112,261	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	49,860	83,855	99,044	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	22,311	71,647	84,103	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	46,498	90,216	113,994	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	55,459	88,645	100,167	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	41,337	76,570	93,006	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	56,659	103,957	122,259	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary										
25-1065	Political Science Teachers, Postsecondary	50,460	89,702	101,062	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	39,995	77,704	92,711	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	40,985	77,370	94,339	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	42,042	80,122	106,300	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	54,726	111,080	118,508	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	54,726	111,080	118,508	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	40,423	65,172	77,342	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary										
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	37,852	85,236	92,806	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	53,516	144,866	192,002	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	35,119	71,190	83,798	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	31,815	94,358	107,928	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	39,614	69,048	81,589	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	29,767	73,104	101,262	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	45,070	81,903	105,557	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	27,768	79,313	91,207	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	42,994	89,169	104,852	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	31,777	64,010	77,627	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	30,215	53,297	63,172	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	21,854	53,212	66,886	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,111	27,274	27,765	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	34,100	55,154	65,820	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	35,093	59,017	74,554	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	36,410	54,220	63,777	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	28,539	56,221	71,809	Yes	Yes	Yes	Bachelor's degree	No	No	No

Workforce Region 4 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	37,319	58,592	70,305	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	36,377	64,608	76,992	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2051	Special Education Teachers, Preschool	30,520	59,230	75,342	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	38,976	60,896	73,542	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	39,061	56,783	66,648	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	39,785	60,049	71,933	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2059	Special Education Teachers, All Other	26,682	49,355	60,001	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	30,234	44,841	55,364	Yes	No	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	25,727	56,641	70,273	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
25-3031	Substitute Teachers, Short-Term	17,988	28,206	29,663	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	20,377	45,979	66,133	No	No	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	26,025	41,470	48,308	No	No	No	Master's degree	No	No	No
25-4012	Curators	27,558	52,564	59,830	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	21,778	39,290	47,336	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	40,318	58,313	68,161	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	24,301	35,290	39,099	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	18,150	36,443	46,165	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	41,324	73,825	89,504	Yes	Yes	Yes	Master's degree	No	No	Yes
25-9044	Teaching Assistants, Postsecondary	18,226	36,309	46,851	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	18,498	24,737	27,176	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	22,340	47,746	60,925	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	44,651	91,264	98,482	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	17,464	31,215	37,481	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,302	45,156	60,458	No	No	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	40,642	62,668	74,485	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	28,929	81,608	99,767	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	37,976	64,363	75,152	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	30,843	59,582	68,905	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	22,202	29,340	33,261	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	20,436	43,596	54,318	No	No	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	23,321	50,764	60,239	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	25,635	33,696	35,247	No	No	No	Some college, no degree	Yes	No	No
27-1027	Set and Exhibit Designers	21,530	46,860	58,192	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	30,567	55,907	64,125	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	20,401	42,129	46,863	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	19,011	61,677	74,017	No	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	17,826	67,610	79,532	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	18,383	37,083	46,021	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	17,845	37,452	44,699	No	No	No	Some college, no degree	No	Yes	Yes
27-2031	Dancers	19,173	52,686	77,365	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers										
27-2041	Music Directors and Composers	17,940	62,915	73,171	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,044	85,447	119,792	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,045	24,787	28,844	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,959	56,716	69,695	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	27,425	60,363	70,019	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	31,073	54,714	69,985	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	19,129	44,243	58,757	No	No	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	54,835	75,972	93,687	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-3043	Writers and Authors	27,063	64,972	67,981	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	22,206	52,031	66,562	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,464	48,708	80,046	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	18,226	42,804	53,269	No	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	26,006	47,508	58,363	No	Yes	Yes	Associate's degree	No	No	No
27-4012	Broadcast Technicians	21,007	44,499	54,326	No	No	Yes	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	22,483	53,812	61,811	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	18,212	21,092	21,562	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	22,302	47,479	59,040	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	30,358	51,402	61,934	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	23,549	77,380	100,462	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	33,167	80,703	91,311	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	123,477	210,428	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	60,792	223,769	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	85,284	172,281	198,068	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists										
29-1029	Dentists, All Other Specialists	54,535	166,939	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	42,782	78,999	92,994	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
29-1041	Optometrists	43,061	101,367	127,678	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	107,245	128,627	141,841	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
29-1071	Physician Assistants	78,880	100,371	108,608	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	51,288	126,373	173,290	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	50,974	81,579	96,387	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	53,556	88,056	98,228	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	54,964	80,789	93,739	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 4 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
29-1125	Recreational Therapists	26,892	48,669	58,030	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	44,423	58,656	65,922	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	45,515	73,640	86,630	Yes	Yes	Yes	Master's degree	No	No	No
29-1128	Exercise Physiologists	33,833	51,564	63,315	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	30,243	49,060	57,421	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	71,830	101,315	122,200	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	46,211	66,379	77,803	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	129,354	168,320	173,471	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,854	64,305	94,292	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	86,526	100,372	108,758	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	42,108	70,238	79,313	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	129,677	258,479	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	115,404	246,817	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	48,546	199,677	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	118,765	233,844	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	56,021	150,713	187,803	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	44,651	191,907	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	124,535	238,783	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	49,527	233,139	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	44,727	60,215	71,044	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	20,635	64,125	77,304	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	29,834	55,185	66,674	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	24,711	53,828	68,896	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2032	Diagnostic Medical Sonographers	35,471	60,394	69,482	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	54,888	72,590	81,874	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	30,775	50,687	60,040	Yes	Yes	Yes	Associate's degree	No	No	No
29-2035	Magnetic Resonance Imaging Technologists	44,908	63,706	74,371	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	22,233	32,051	37,891	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	19,721	28,453	30,796	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	23,969	32,838	38,081	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	21,635	31,529	36,005	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	28,128	42,439	47,743	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	19,173	28,838	32,417	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	26,082	38,995	45,975	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	29,568	38,392	43,517	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
29-2081	Opticians, Dispensing	22,206	40,375	53,669	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	35,367	72,809	85,998	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	27,710	60,325	69,686	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	25,644	33,286	35,474	No	No	No	Postsecondary nondegree award	Yes	No	No
29-9091	Athletic Trainers	31,710	46,517	52,821	Yes	Yes	No	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	56,649	76,847	88,578	Yes	Yes	Yes	Master's degree	Yes	Yes	No
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	27,387	56,411	70,314	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	20,524	24,649	25,973	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,647	28,116	31,469	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	20,245	26,977	29,644	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	24,349	28,587	30,472	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	48,565	64,315	74,723	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides										
31-2021	Physical Therapist Assistants	45,561	63,684	76,047	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	18,559	26,996	30,710	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	19,768	30,743	26,177	No	No	No	Postsecondary nondegree award	No	No	No
31-9091	Dental Assistants	19,461	30,712	40,890	No	No	No	Postsecondary nondegree award	No	No	No
31-9092	Medical Assistants	26,302	31,901	35,242	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9093	Medical Equipment Preparers	25,496	34,136	39,234	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	28,153	48,678	46,681	No	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9095	Pharmacy Aides	20,502	31,034	37,081	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	20,092	28,548	33,405	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	25,235	33,053	37,271	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	21,068	39,447	51,912	No	No	No	High school diploma or equivalent	No	No	Yes
33-1011	First-Line Supervisors of Correctional Officers	32,710	45,622	47,051	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	43,296	68,666	82,020	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	41,730	55,882	62,409	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	26,041	50,829	61,198	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	23,397	35,850	40,282	No	No	No	Postsecondary nondegree award	No	No	No
33-2021	Fire Inspectors and Investigators	27,391	35,917	36,817	No	No	No	Postsecondary nondegree award	Yes	No	No
33-2022	Forest Fire Inspectors and Prevention Specialists	28,234	33,376	36,462	No	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	31,310	44,508	51,564	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	29,291	43,365	51,631	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	37,216	65,138	70,717	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	20,197	27,101	29,272	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	26,301	40,832	47,889	No	No	No	High school diploma or equivalent	Yes	No	Yes
33-3051	Police and Sheriff's Patrol Officers	35,137	50,273	55,930	Yes	Yes	Yes	Associate's degree	Yes	No	No
33-3052	Transit and Railroad Police	42,861	61,744	73,304	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	25,835	36,919	41,737	No	No	No	Postsecondary nondegree award	Yes	No	No

Workforce Region 4 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	33,400	39,428	40,354	Yes	No	No	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	23,835	33,081	37,490	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	19,901	26,756	29,718	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	20,635	26,968	31,156	No	No	No	No formal educational credential	Yes	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	18,832	21,531	20,794	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	34,100	40,442	43,175	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	33,510	41,416	45,830	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
35-1011	Chefs and Head Cooks	23,434	48,896	64,770	No	Yes	Yes	Associate's degree	No	No	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	23,161	41,207	50,747	No	No	No	High school diploma or equivalent	No	Yes	Yes
35-2011	Cooks, Fast Food	17,674	20,969	22,702	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	19,315	25,039	29,220	No	No	No	No formal educational credential	No	No	No
35-2013	Cooks, Private Household	20,045	28,720	33,691	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	22,152	29,790	32,554	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	21,717	28,253	31,184	No	No	No	No formal educational credential	Yes	No	No
35-2019	Cooks, All Other	20,635	29,091	34,214	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	19,198	25,119	28,733	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,778	30,249	38,561	No	No	No	No formal educational credential	No	Yes	Yes
35-3023	Fast Food and Counter Workers	18,880	23,404	25,384	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,744	24,656	23,682	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	18,026	22,768	24,444	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,650	23,210	23,718	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	18,944	22,298	24,187	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	19,010	31,144	45,409	No	No	No	No formal educational credential	No	Yes	Yes
35-9099	Food Preparation and Serving Related Workers, All Other	18,638	27,814	36,931	No	No	No	No formal educational credential	No	No	Yes
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	27,978	41,929	49,561	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	39,272	55,299	62,160	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	21,092	30,298	33,652	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	20,822	27,385	30,492	No	No	No	No formal educational credential	Yes	No	No
37-2019	Building Cleaning Workers, All Other	20,550	34,757	50,222	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	24,063	35,978	40,230	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	18,614	28,759	33,341	No	No	No	No formal educational credential	No	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	28,331	34,514	38,321	No	No	No	High school diploma or equivalent	Yes	No	No
37-3013	Tree Trimmers and Pruners	21,169	34,395	43,289	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	24,930	34,129	37,747	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	34,757	53,364	62,953	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	24,359	39,514	49,627	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	20,826	37,871	43,537	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	19,607	24,393	25,086	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	17,550	23,892	26,958	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,759	26,234	29,624	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,178	33,005	34,091	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists										
39-3031	Ushers, Lobby Attendants, and Ticket Takers	18,150	24,263	26,939	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	19,426	27,546	32,401	No	No	No	No formal educational credential	No	No	Yes
39-3092	Costume Attendants	24,939	53,612	69,857	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	18,531	26,339	30,024	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,045	24,787	28,844	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	32,281	54,202	55,231	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	20,283	28,539	30,158	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	30,158	52,269	58,382	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-5011	Barbers	20,864	30,291	36,043	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,012	27,096	30,966	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	34,671	67,296	77,646	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	19,312	25,749	28,358	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	18,340	25,073	28,929	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,793	36,933	54,045	No	No	Yes	Postsecondary nondegree award	No	No	Yes
39-6011	Baggage Porters and Bellhops	17,931	23,778	27,130	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	20,054	27,625	30,672	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	21,016	31,158	34,167	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,041	23,271	25,146	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	18,264	36,633	46,413	No	No	No	Postsecondary nondegree award	No	No	Yes
39-9032	Recreation Workers	22,542	32,159	38,062	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	18,922	24,916	25,264	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	17,940	26,872	29,748	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	28,871	45,964	55,969	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	28,523	73,788	93,613	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,365	24,865	28,504	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,083	27,253	33,691	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	26,352	37,455	40,800	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	19,462	32,867	39,426	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	21,436	32,899	34,701	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	18,929	47,900	52,133	No	Yes	No	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	32,367	65,694	71,924	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	37,017	74,125	61,468	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	18,819	29,514	32,740	No	No	No	Some college, no degree	No	No	No

Workforce Region 4 Wages by Detailed Occupation

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	21,146	59,356	70,997	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	20,708	71,760	119,451	No	Yes	Yes	Bachelor's degree	No	No	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	26,489	62,454	75,748	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,712	37,366	46,994	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models										
41-9021	Real Estate Brokers	34,394	37,939	40,936	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
41-9022	Real Estate Sales Agents	24,356	57,040	72,531	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	53,431	106,338	137,324	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	18,750	26,482	29,129	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,902	26,254	28,520	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	19,378	34,386	37,081	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	34,457	52,363	62,743	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	23,385	28,780	30,847	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	22,978	29,910	31,072	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	28,120	38,918	46,013	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	18,753	29,715	37,633	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	25,861	34,113	38,544	No	No	No	High school diploma or equivalent	No	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	21,592	40,911	47,858	No	No	No	Some college, no degree	No	Yes	Yes
43-3041	Gambling Cage Workers	18,893	26,625	30,091	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	19,596	33,405	36,709	No	No	No	Some college, no degree	No	No	No
43-3061	Procurement Clerks	27,560	41,791	49,014	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	25,170	31,911	36,152	No	No	No	High school diploma or equivalent	No	No	No
43-3099	Financial Clerks, All Other	29,177	44,603	52,145	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	33,635	46,201	53,131	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks										
43-4031	Court, Municipal, and License Clerks	29,385	41,449	47,818	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	27,101	41,251	47,327	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	21,548	30,497	35,806	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	25,539	34,519	41,175	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	18,805	32,412	38,696	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	21,617	27,218	30,175	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	25,377	31,109	33,206	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	19,083	27,072	30,263	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	34,743	50,530	60,805	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	28,368	38,757	44,080	No	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	21,997	33,443	37,909	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	27,361	37,825	45,403	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	19,193	27,425	31,045	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	22,606	40,118	55,488	No	No	Yes	High school diploma or equivalent	No	No	Yes
43-4199	Information and Record Clerks, All Other	32,254	46,332	53,216	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
43-5011	Cargo and Freight Agents	29,189	46,212	59,750	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	25,989	28,950	30,796	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	26,621	34,156	37,063	No	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	28,748	42,093	55,301	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5041	Meter Readers, Utilities	28,121	36,386	40,697	No	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,760	52,759	64,253	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,061	52,465	65,032	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	32,795	49,146	59,973	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	28,830	47,577	56,834	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	26,291	34,569	39,180	No	No	No	High school diploma or equivalent	Yes	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	25,263	34,938	39,661	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	27,668	43,578	51,189	No	No	No	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	25,417	32,065	34,081	No	No	No	Some college, no degree	Yes	No	No
43-6013	Medical Secretaries and Administrative Assistants	26,233	33,330	37,508	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	24,325	35,770	42,159	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	22,490	32,910	36,801	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	19,340	31,281	37,338	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	27,396	50,393	55,069	No	Yes	Yes	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	36,520	58,016	76,543	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	19,597	30,129	35,462	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	21,624	34,320	39,219	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	19,388	31,796	36,957	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	25,339	40,309	53,440	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	31,234	52,669	64,534	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	24,713	39,767	48,363	No	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	29,805	53,097	58,459	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	19,531	35,528	44,946	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders										
45-2041	Graders and Sorters, Agricultural Products	24,416	32,281	36,243	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	22,073	31,948	36,519	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	18,083	23,425	24,340	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	19,978	30,701	39,347	No	No	No	No formal educational credential	No	Yes	Yes

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45-2099	Agricultural Workers, All Other	18,721	27,615	27,901	No	No	No	No formal educational credential	No	No	No
45-3031	Fishing and Hunting Workers	19,978	30,701	39,347	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	34,510	39,404	42,813	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	26,111	35,767	39,223	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	17,893	34,519	43,956	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	21,987	31,738	36,957	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,788	45,127	56,840	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	35,233	55,075	64,400	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	33,395	49,422	57,992	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	21,598	32,329	39,490	No	No	No	High school diploma or equivalent	No	No	No
47-2022	Stonemasons	31,339	37,661	41,499	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	32,389	44,108	50,283	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	26,282	36,636	40,520	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,873	38,090	49,612	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	24,911	34,091	38,938	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	24,997	37,404	43,508	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	26,384	37,461	43,127	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	32,396	42,651	47,965	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	19,262	30,177	34,418	No	No	No	No formal educational credential	No	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	25,463	35,767	38,509	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	32,062	48,231	57,459	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	26,431	36,801	42,872	No	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	22,939	28,795	30,929	No	No	No	No formal educational credential	Yes	Yes	No
47-2082	Tapers	18,007	39,157	47,984	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	32,191	45,549	53,834	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	26,743	39,706	46,863	No	No	No	High school diploma or equivalent	Yes	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	26,139	37,509	44,099	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	27,863	37,985	43,937	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	22,847	33,997	38,746	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	31,443	45,594	58,363	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	27,714	37,103	41,493	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	32,556	42,779	49,554	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	23,912	37,766	41,067	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	30,120	43,299	49,793	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	27,041	36,592	40,895	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	28,919	43,813	53,506	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	31,406	50,755	57,395	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	24,292	34,386	38,461	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	21,149	29,044	34,014	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	21,302	30,929	36,176	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	25,225	30,651	34,071	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	19,712	26,882	31,320	No	No	No	No formal educational credential	No	No	No
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	22,415	29,063	31,015	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	23,521	32,567	37,281	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	21,512	32,535	42,133	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	30,961	51,333	61,813	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	39,452	73,952	93,111	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	24,501	36,652	45,022	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	25,730	37,900	44,946	No	No	No	High school diploma or equivalent	No	No	No
47-4051	Highway Maintenance Workers	27,563	35,343	39,870	No	No	No	High school diploma or equivalent	Yes	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	32,615	45,851	52,574	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	24,559	36,443	39,347	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	26,933	35,792	39,405	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	22,568	32,662	38,195	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	32,729	43,108	48,793	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	23,749	51,621	66,724	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	24,949	39,280	45,537	No	No	No	High school diploma or equivalent	No	No	No
47-5041	Continuous Mining Machine Operators	34,567	55,011	65,629	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining										
47-5051	Rock Splitters, Quarry	29,206	35,709	37,900	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	32,729	43,108	48,793	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	22,568	32,662	38,195	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	25,197	43,670	50,774	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	33,967	54,078	69,352	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	35,879	63,241	78,644	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	31,689	41,316	47,872	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	29,853	54,992	70,152	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	42,392	55,034	66,081	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	32,443	56,097	68,162	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	26,958	41,299	48,869	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	32,205	52,450	66,067	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 4 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	33,414	52,269	61,572	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	40,433	68,372	86,826	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	24,320	36,233	43,232	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	23,111	41,899	53,183	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	27,015	43,070	52,193	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	32,710	64,867	84,407	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	29,818	43,724	48,978	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	20,835	35,709	41,175	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	24,316	46,966	58,878	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	30,067	39,212	41,857	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-3041	Farm Equipment Mechanics and Service Technicians	25,311	40,480	49,079	No	No	No	High school diploma or equivalent	No	No	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	33,772	47,076	53,985	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	34,833	53,421	60,592	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	30,242	54,001	68,277	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	24,435	35,119	41,337	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	22,064	35,043	41,823	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	21,283	28,653	32,596	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	26,063	45,737	57,763	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-3093	Tire Repairers and Changers	20,083	29,872	35,309	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	23,168	38,395	45,165	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	27,253	38,157	40,162	No	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	29,967	40,531	46,536	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	25,216	38,623	46,175	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9041	Industrial Machinery Mechanics	37,740	51,711	60,562	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	19,177	35,468	48,724	No	No	No	High school diploma or equivalent	No	No	Yes
49-9044	Millwrights	30,624	47,784	58,925	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	34,557	45,067	53,979	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	29,063	43,823	49,812	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	18,521	39,556	52,364	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	23,713	43,509	49,171	No	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	22,616	33,633	38,338	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,892	41,718	51,812	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	36,547	54,174	62,087	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	25,491	36,235	40,173	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	42,889	70,228	85,322	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18,616	29,367	35,509	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	32,319	47,955	48,708	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	24,958	39,109	48,127	No	No	No	High school diploma or equivalent	No	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	20,340	27,996	30,596	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	31,053	46,879	56,754	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	37,814	63,153	76,028	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	21,139	28,644	31,294	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	26,584	52,319	67,034	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-1011	First-Line Supervisors of Production and Operating Workers	39,837	65,415	80,268	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	18,350	39,347	50,841	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	17,874	34,138	47,632	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	31,092	36,767	39,282	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2031	Engine and Other Machine Assemblers	24,387	28,891	30,310	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	24,482	34,776	39,766	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	24,759	34,300	38,185	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	22,247	34,750	40,212	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	18,693	24,802	30,544	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	20,541	36,175	43,486	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	19,490	27,997	35,708	No	No	No	No formal educational credential	No	No	Yes
51-3023	Slaughterers and Meat Packers	21,349	27,263	29,929	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	24,416	32,281	36,243	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,883	28,977	33,491	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	18,550	26,768	31,081	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,188	26,063	29,234	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	24,587	33,938	38,538	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	25,206	34,043	37,671	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	25,377	34,919	40,842	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	25,158	31,342	32,762	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	31,929	52,517	64,125	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,140	31,234	36,385	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,987	36,309	42,689	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	32,215	42,432	48,155	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 4 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	18,916	38,918	53,212	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	29,253	40,433	47,022	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	25,016	39,490	47,336	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	31,929	52,517	64,125	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic										
51-4071	Foundry Mold and Coremakers										
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	20,207	32,005	37,595	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24,406	34,548	37,928	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	28,501	50,803	59,982	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	26,834	42,801	51,032	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	24,044	33,967	39,004	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	21,359	33,243	38,233	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	27,368	43,670	54,326	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	27,234	37,090	40,147	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,073	34,291	37,995	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	20,292	32,643	37,109	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	21,768	36,881	44,032	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	21,548	30,653	35,064	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	19,978	30,367	36,595	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	19,047	22,785	24,541	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	18,236	23,302	26,454	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	18,302	26,663	30,186	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	18,864	29,520	35,528	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,159	28,434	34,310	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,188	27,177	32,377	No	No	No	No formal educational credential	No	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	19,074	28,301	33,081	No	No	No	No formal educational credential	No	No	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	24,568	29,624	33,691	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20,169	29,891	35,081	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders										
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,073	43,089	67,076	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	36,300	65,629	78,189	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	17,931	28,196	29,996	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	22,968	37,157	44,118	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,817	26,244	32,062	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	23,892	35,662	42,280	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	18,959	35,157	43,575	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	20,721	29,310	32,596	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	20,226	31,367	37,262	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	21,749	38,890	54,135	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	67,067	91,702	103,938	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	48,412	77,494	97,149	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	42,889	70,228	85,322	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	37,185	55,516	62,658	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	29,335	43,445	50,868	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	30,348	49,488	60,239	Yes	Yes	Yes	Associate's degree	No	No	No
51-8092	Gas Plant Operators	31,519	45,670	54,859	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	28,948	48,850	56,859	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	37,319	57,049	61,106	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	25,482	42,585	53,859	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	23,502	36,547	44,023	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	22,759	34,310	39,528	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,959	31,958	36,214	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	24,273	34,824	38,918	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	19,997	33,757	40,233	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	22,321	33,224	39,014	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,711	32,367	36,766	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,921	31,386	36,128	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	26,086	63,405	65,747	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	19,479	48,391	69,153	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	21,064	40,347	49,327	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	24,359	43,946	51,641	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	21,016	32,643	36,843	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	19,964	28,641	31,373	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,778	31,281	40,337	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	21,619	43,294	46,611	No	No	No	High school diploma or equivalent	No	Yes	No
51-9141	Semiconductor Processing Technicians										

Workforce Region 4 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	23,035	40,023	47,965	No	No	No	High school diploma or equivalent	No	No	Yes
51-9161	Computer Numerically Controlled Tool Operators	25,206	37,823	44,870	No	No	No	Postsecondary nondegree award	No	No	Yes
51-9162	Computer Numerically Controlled Tool Programmers	33,805	51,840	60,830	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders										
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,797	33,043	37,957	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	20,673	35,376	43,708	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,798	25,444	31,624	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	22,806	32,329	36,671	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	24,501	35,052	39,442	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders										
51-9198	Helpers--Production Workers	19,231	27,043	30,675	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	19,169	29,824	33,757	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	33,138	60,611	75,237	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	33,604	47,520	52,497	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	93,492	218,760	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	38,633	97,137	105,967	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	66,191	116,793	144,742	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	24,206	44,403	57,525	No	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	29,329	55,459	64,058	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,873	27,787	30,158	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,521	30,495	38,242	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	28,884	47,312	57,564	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	21,025	33,859	39,942	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	22,959	35,033	40,661	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19,415	30,408	36,342	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	19,140	29,186	34,919	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	50,993	64,029	70,533	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	51,460	64,658	73,599	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	33,100	54,078	64,648	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	51,460	64,658	73,599	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	21,321	40,175	56,621	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	27,587	52,707	68,800	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	22,702	39,185	46,432	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	21,771	47,365	62,382	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	18,940	37,927	52,296	No	No	No	Postsecondary nondegree award	No	No	Yes
53-5031	Ship Engineers	31,329	69,886	85,607	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	24,463	38,033	46,698	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	18,150	23,521	27,015	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	23,167	29,144	31,086	No	No	No	No formal educational credential	Yes	Yes	No
53-6041	Traffic Technicians	27,434	45,584	52,907	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	50,117	88,064	116,632	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,902	23,416	25,244	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	21,473	31,615	37,043	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,055	32,348	38,804	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	34,091	58,144	70,676	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	32,510	45,879	53,269	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	25,692	39,576	41,594	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	24,529	32,690	33,843	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	20,389	26,394	29,055	No	No	No	No formal educational credential	Yes	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	20,451	28,486	31,785	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	19,055	30,920	36,957	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	20,910	24,704	26,060	No	No	No	No formal educational credential	Yes	No	No
53-7065	Stockers and Order Fillers	20,280	28,790	31,929	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	19,331	38,785	46,203	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	22,355	31,096	36,100	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,055	32,348	38,804	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	21,654	40,575	51,621	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 4 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	28,409	46,090	53,585	
1	No formal educational credential	20,254	28,339	31,363	80
2	High school diploma or equivalent	26,087	41,029	47,881	219
3	Some college, no degree	21,714	34,682	40,321	47
4	Postsecondary nondegree award	25,501	37,938	44,488	83
5	Associate's degree	32,650	50,899	60,293	63
6	Bachelor's degree	40,404	74,523	90,277	172
7	Master's degree	46,805	75,164	88,715	39
8	Doctoral or professional degree	73,989	138,342	140,703	60

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	454	309	432	331	409	354
No formal educational credential	46.3%	53.8%	38.8%	61.3%	33.8%	66.3%
High school diploma or equivalent	70.3%	29.7%	74.0%	26.0%	70.8%	29.2%
Some college, no degree	34.0%	66.0%	29.8%	70.2%	27.7%	72.3%
Postsecondary nondegree award	38.6%	61.4%	28.9%	71.1%	30.1%	69.9%
Associate's degree	61.9%	38.1%	47.6%	52.4%	47.6%	52.4%
Bachelor's degree	57.6%	42.4%	59.9%	40.1%	55.8%	44.2%
Master's degree	69.2%	30.8%	61.5%	38.5%	53.8%	46.2%
Doctoral or professional degree	83.3%	16.7%	73.3%	26.7%	70.0%	30.0%

Workforce Region 5 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	54,491	162,252	212,745	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1021	General and Operations Managers	41,476	94,966	116,714	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	18,697	40,680	39,096	No	No	No	Bachelor's degree	No	No	No
11-2011	Advertising and Promotions Managers	44,918	102,433	118,954	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	55,383	97,910	107,437	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	54,430	127,314	153,923	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	60,831	111,635	123,765	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	48,438	83,235	101,391	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	77,680	119,561	139,818	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	52,833	98,664	110,662	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	63,582	111,303	132,815	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	62,649	88,204	102,110	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	45,441	83,706	97,716	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	50,869	100,302	119,244	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	44,407	72,480	86,190	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	47,020	73,856	91,431	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	34,209	73,546	77,970	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-9021	Construction Managers	52,709	108,686	140,804	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	25,148	41,493	48,074	No	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	34,213	59,097	77,507	Yes	Yes	Yes	Master's degree	No	No	Yes
11-9033	Education Administrators, Postsecondary	42,019	91,251	110,832	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	43,175	72,957	82,455	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9041	Architectural and Engineering Managers	85,697	137,324	162,804	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	28,861	53,571	60,139	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	42,641	81,469	89,595	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	33,539	50,916	61,681	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	59,786	104,493	105,435	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	51,693	73,386	85,970	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	66,410	81,811	90,252	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	33,964	62,653	78,939	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
11-9151	Social and Community Service Managers	46,489	76,772	92,663	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9161	Emergency Management Directors	44,779	76,656	92,825	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	38,994	75,832	92,788	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	55,214	92,150	109,490	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	31,580	79,192	95,232	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	33,184	48,844	55,266	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	34,569	59,492	76,325	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	45,390	63,614	74,592	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	27,252	47,483	41,966	No	No	No	Bachelor's degree	No	No	No
13-1051	Cost Estimators	42,480	71,996	93,226	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1071	Human Resources Specialists	34,988	52,825	60,644	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	19,743	43,025	60,195	No	No	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	29,794	50,897	52,449	Yes	Yes	No	Bachelor's degree	No	No	No
13-1111	Management Analysts	39,187	57,707	61,290	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1121	Meeting, Convention, and Event Planners	33,231	48,627	53,541	Yes	Yes	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	35,101	64,692	71,678	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	27,924	38,413	42,543	No	No	No	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	23,484	49,249	57,889	No	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	32,076	60,909	76,036	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	34,072	71,726	84,146	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2011	Accountants and Auditors	31,163	56,703	64,170	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	42,751	53,295	54,670	Yes	Yes	No	Bachelor's degree	Yes	No	No
13-2031	Budget Analysts	45,623	64,690	75,324	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	53,951	96,501	123,161	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	40,810	146,345	117,001	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2053	Insurance Underwriters	33,154	53,834	64,540	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	35,488	45,900	50,392	Yes	No	No	Bachelor's degree	No	No	No
13-2071	Credit Counselors	26,833	39,767	41,741	No	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	25,995	78,940	97,346	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,325	36,224	38,223	No	No	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	18,754	38,016	48,326	No	No	No	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	34,580	58,307	67,014	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	41,827	60,601	68,671	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1212	Information Security Analysts	34,861	77,303	103,141	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1221	Computer and Information Research Scientists	67,631	111,041	129,719	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	30,264	49,078	60,886	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
15-1232	Computer User Support Specialists	23,269	45,277	56,722	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
15-1241	Computer Network Architects	56,805	86,297	102,592	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	36,612	64,586	77,729	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-1245	Database Administrators and Architects	46,686	74,990	84,743	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	40,442	64,361	74,925	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	44,693	99,640	112,959	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	31,522	55,074	68,522	Yes	Yes	Yes	Associate's degree	No	Yes	Yes

Workforce Region 5 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	19,886	44,281	51,962	No	No	No	Bachelor's degree	No	No	No
15-2011	Actuaries	33,038	95,348	131,119	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2021	Mathematicians	65,188	97,722	110,513	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	31,202	40,044	41,815	Yes	No	No	Bachelor's degree	No	No	No
15-2041	Statisticians	27,314	66,900	88,207	No	Yes	Yes	Master's degree	No	Yes	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	37,437	91,591	123,726	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-1011	Architects, Except Landscape and Naval	33,412	68,041	78,642	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-1012	Landscape Architects	43,028	64,668	76,192	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1021	Cartographers and Photogrammetrists	43,526	62,362	71,642	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	32,832	63,013	71,940	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	61,791	101,387	120,852	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	40,475	74,666	92,326	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	57,700	84,347	101,267	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	46,316	90,419	114,336	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	55,946	93,041	110,718	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	46,124	83,644	99,501	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	62,542	92,104	108,418	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	61,486	94,732	110,513	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	37,137	70,602	93,717	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	43,557	77,304	95,861	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	45,976	101,849	131,464	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	44,862	74,333	88,864	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	47,167	89,012	108,486	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	60,296	91,119	103,201	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	68,039	109,347	133,847	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	79,673	100,489	113,503	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	68,483	148,748	182,883	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	56,585	76,915	87,195	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	41,498	58,441	64,112	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	21,649	48,361	60,023	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	39,497	65,168	69,867	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	31,053	51,082	58,894	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	37,689	63,550	81,968	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	28,022	44,810	56,811	No	No	Yes	Associate's degree	No	No	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	34,537	52,038	70,917	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	30,720	49,185	57,080	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	25,129	40,475	48,454	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	31,784	50,740	60,245	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	29,054	51,212	66,021	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	28,084	49,235	59,476	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	36,847	53,317	61,471	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	38,485	59,968	71,787	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	29,711	53,840	67,761	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	29,470	66,882	90,771	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1021	Biochemists and Biophysicists	40,818	73,944	84,208	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	33,515	58,135	70,973	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	36,148	49,831	52,372	Yes	Yes	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	34,232	54,985	64,453	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	31,312	64,392	80,478	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1032	Foresters	40,222	59,532	68,268	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1041	Epidemiologists	30,461	51,119	63,651	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	38,365	81,385	96,555	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	46,667	96,546	121,083	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	79,294	135,300	153,626	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	79,294	135,300	153,626	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	54,794	91,622	107,690	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	33,047	49,131	52,837	Yes	Yes	No	Bachelor's degree	No	No	No
19-2032	Materials Scientists	45,973	95,519	124,211	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	34,463	48,075	50,902	Yes	Yes	No	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	48,000	83,810	106,478	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	43,418	88,623	104,145	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	43,946	108,449	126,951	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	48,953	87,355	98,527	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	27,314	66,900	88,207	No	Yes	Yes	Master's degree	No	Yes	Yes
19-3031	Clinical, Counseling, and School Psychologists	37,893	64,888	76,142	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	27,314	66,900	88,207	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	69,409	114,145	118,621	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-3041	Sociologists	49,092	70,121	85,060	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3051	Urban and Regional Planners	34,373	56,936	64,305	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	30,461	51,119	63,651	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	59,246	77,803	90,058	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	23,111	54,229	79,636	No	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists	57,987	92,215	106,302	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	43,637	67,829	83,208	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	17,854	33,765	40,892	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	25,722	41,169	51,128	No	No	No	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	29,035	47,176	56,895	No	No	Yes	Associate's degree	No	No	Yes
19-4042	Environmental Science and Protection Technicians, Including Health	26,420	34,975	38,067	No	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	24,361	43,095	52,184	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	65,188	89,132	101,026	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	24,953	49,786	57,728	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	28,896	43,511	52,026	No	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	28,589	48,625	61,512	No	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	25,517	45,648	57,448	No	No	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	28,595	53,947	68,357	No	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	25,018	46,510	60,301	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	26,124	46,605	56,823	No	No	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	27,730	39,300	46,241	No	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	26,082	31,067	32,782	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	24,207	43,423	55,778	No	No	Yes	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	31,312	39,666	44,969	Yes	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	27,202	42,055	49,498	No	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	30,961	47,197	56,642	Yes	No	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	33,211	42,532	48,887	Yes	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	32,312	48,842	61,763	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	32,420	49,147	52,085	Yes	Yes	No	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	29,081	37,263	41,280	No	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	20,470	29,825	35,446	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	22,970	34,883	39,259	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	30,342	47,979	55,917	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-2011	Clergy	31,514	45,664	50,487	Yes	No	No	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	23,713	43,326	52,193	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	18,169	40,262	53,378	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	47,999	101,888	114,971	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	28,063	47,528	53,766	No	No	No	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	35,958	94,936	116,261	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
23-1022	Arbitrators, Mediators, and Conciliators	23,639	65,975	93,325	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	135,198	173,804	158,550	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	29,617	47,132	56,597	Yes	No	Yes	Associate's degree	No	No	Yes
23-2093	Title Examiners, Abstractors, and Searchers	29,513	48,151	59,013	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	27,314	53,273	57,479	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	55,071	101,044	118,834	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
25-1021	Computer Science Teachers, Postsecondary	43,215	91,483	114,502	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	46,574	85,721	107,985	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	24,546	83,940	104,747	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	50,129	102,461	125,507	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1041	Agricultural Sciences Teachers, Postsecondary	51,314	96,787	117,807	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1042	Biological Science Teachers, Postsecondary	39,189	83,366	102,081	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	63,901	104,728	123,175	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	44,196	88,077	109,115	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	48,463	81,506	96,269	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	21,686	69,640	81,746	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	45,196	87,689	110,800	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	53,905	86,161	97,361	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	40,179	74,425	90,400	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	55,071	101,044	118,834	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
25-1064	Geography Teachers, Postsecondary	48,611	80,913	95,306	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	49,046	87,189	98,231	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	38,874	75,527	90,113	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	39,837	75,203	91,696	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	56,544	94,283	112,517	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1071	Health Specialties Teachers, Postsecondary	53,193	107,968	115,187	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	53,193	107,968	115,187	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	39,290	63,346	75,175	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	40,623	65,725	77,461	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	51,712	96,353	116,787	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1112	Law Teachers, Postsecondary	79,502	164,593	211,944	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	34,135	69,196	81,450	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	30,923	91,715	104,904	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	54,190	81,400	91,564	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1123	English Language and Literature Teachers, Postsecondary	28,933	71,056	98,425	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	43,807	79,608	102,599	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	26,990	77,091	88,651	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	41,789	86,670	101,915	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	39,290	63,346	75,175	Yes	Yes	Yes	Master's degree	No	No	Yes
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	30,886	62,217	75,452	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	31,138	57,396	67,138	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	21,927	40,302	50,350	No	No	No	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	21,109	36,261	46,731	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	33,145	53,609	63,975	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	32,962	46,976	54,794	Yes	No	No	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	35,926	49,815	57,004	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	27,739	54,646	69,797	No	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	35,502	51,327	60,217	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	42,248	55,766	64,856	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	29,665	57,570	73,231	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	37,884	59,190	71,482	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2057	Special Education Teachers, Middle School	37,967	55,192	64,781	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	38,670	58,366	69,918	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	25,934	47,972	58,320	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	38,344	57,334	65,670	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-3021	Self-Enrichment Teachers	21,687	40,118	50,192	No	No	No	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	20,976	26,617	29,099	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	35,290	55,051	64,498	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	25,296	40,309	46,954	No	No	No	Master's degree	No	No	No
25-4012	Curators	36,283	44,716	47,994	Yes	No	No	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	27,450	41,499	50,420	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	35,500	52,397	61,144	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	25,136	32,847	34,345	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	28,091	50,878	63,163	No	Yes	Yes	Master's degree	No	No	No
25-9031	Instructional Coordinators	34,486	51,564	59,243	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	17,715	35,292	45,538	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	21,011	27,056	30,185	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	33,496	54,110	63,049	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	32,621	91,666	98,195	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-1012	Craft Artists	16,975	30,340	36,430	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	17,789	43,891	58,764	No	No	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	35,751	52,431	61,458	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1019	Artists and Related Workers, All Other	28,119	79,321	96,972	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	36,912	62,559	73,046	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	29,979	57,913	66,974	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	27,512	33,726	37,807	No	No	No	High school diploma or equivalent	Yes	No	No
27-1024	Graphic Designers	29,931	47,844	55,503	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	31,323	46,482	48,746	Yes	No	No	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	23,186	32,161	33,876	No	No	No	Some college, no degree	Yes	No	No
27-1027	Set and Exhibit Designers	20,927	45,547	56,562	No	No	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	33,022	51,056	60,067	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	19,829	40,949	45,550	No	No	No	Some college, no degree	No	Yes	No
27-2012	Producers and Directors	19,685	55,726	68,398	No	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	17,327	65,715	77,304	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	22,188	73,148	84,673	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-2023	Umpires, Referees, and Other Sports Officials	17,345	36,403	43,446	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	18,636	51,210	75,198	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	17,095	36,032	54,720	No	No	No	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	17,438	61,152	71,121	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	17,538	83,053	116,435	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	17,540	24,093	28,036	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,428	55,127	67,742	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	31,268	54,803	68,043	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	30,618	69,619	84,083	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-3041	Editors	32,958	48,092	53,539	Yes	Yes	No	Bachelor's degree	No	No	No
27-3042	Technical Writers	28,742	57,600	83,268	No	Yes	Yes	Bachelor's degree	No	No	Yes
27-3043	Writers and Authors	18,729	66,439	79,149	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-3091	Interpreters and Translators	27,435	40,452	47,710	No	No	No	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	17,947	47,343	77,803	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	34,639	53,150	62,396	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
27-4011	Audio and Video Technicians	19,538	39,157	50,953	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	28,229	42,145	48,780	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	21,853	52,304	60,079	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	18,363	25,924	28,709	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	21,677	46,149	57,385	No	No	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	29,507	49,962	60,199	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	22,889	75,212	97,648	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	32,238	78,442	88,753	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	118,496	163,797	189,928	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	59,088	217,500	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1023	Orthodontists	82,894	167,454	192,519	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists										
29-1029	Dentists, All Other Specialists	53,007	162,262	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1031	Dietitians and Nutritionists	27,497	50,623	60,849	No	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	71,298	129,820	132,548	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1051	Pharmacists	63,320	109,521	129,356	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1071	Physician Assistants	90,719	127,635	154,970	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	49,851	122,832	168,435	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1122	Occupational Therapists	62,976	82,905	94,459	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	38,379	85,263	102,121	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	53,424	78,525	91,113	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 5 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
29-1125	Recreational Therapists	26,138	47,306	56,404	No	No	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	37,635	56,590	64,297	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	37,076	64,099	83,371	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-1128	Exercise Physiologists	32,886	50,120	61,541	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	29,396	47,685	55,812	Yes	No	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	85,530	99,945	109,884	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	46,060	66,087	74,250	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	125,729	163,604	168,611	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,270	62,504	91,650	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	83,409	106,741	122,811	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	42,675	62,554	74,110	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	126,044	251,237	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	166,862	252,375	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	47,186	194,083	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	115,437	227,292	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	54,451	146,490	182,541	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1223	Psychiatrists	50,778	184,647	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	58,540	208,131	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	48,139	298,360	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	44,620	56,969	63,122	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	20,057	62,328	75,138	No	Yes	Yes	Master's degree	No	No	Yes
29-2010	Clinical Laboratory Technologists and Technicians	28,678	52,559	67,772	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	22,821	38,073	47,521	No	No	No	Associate's degree	No	No	No
29-2032	Diagnostic Medical Sonographers	57,548	90,315	80,942	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	53,350	70,556	79,581	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	42,869	62,530	65,750	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	43,650	61,921	72,287	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	20,807	33,274	37,828	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	20,957	25,432	27,559	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	22,390	30,770	35,552	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	20,511	24,862	25,214	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	19,557	36,332	45,565	No	No	No	Postsecondary nondegree award	No	No	Yes
29-2056	Veterinary Technologists and Technicians	21,701	28,183	30,669	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	22,361	31,429	37,030	No	No	No	Postsecondary nondegree award	No	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	33,928	43,340	48,336	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	21,584	39,244	52,165	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	34,376	70,769	83,588	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-2092	Hearing Aid Specialists	26,934	58,635	67,733	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	25,563	39,683	46,130	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	37,008	59,783	68,026	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	55,062	74,693	86,097	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	26,581	53,225	72,407	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	19,658	26,690	25,891	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	19,575	26,125	29,221	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	19,678	26,221	28,813	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	23,667	27,786	29,618	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	35,867	56,264	69,341	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	18,039	26,240	29,850	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	43,757	61,981	74,854	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	21,357	26,698	30,089	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	18,299	37,513	46,325	No	No	No	Postsecondary nondegree award	No	No	Yes
31-9091	Dental Assistants	24,871	39,125	47,646	No	No	No	Postsecondary nondegree award	No	Yes	Yes
31-9092	Medical Assistants	24,288	33,120	37,703	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	22,362	31,617	36,264	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	26,872	34,284	38,980	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9095	Pharmacy Aides	19,928	30,164	36,042	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	19,530	27,749	32,469	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	27,229	35,152	39,522	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9099	Healthcare Support Workers, All Other	26,817	41,328	52,897	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-1011	First-Line Supervisors of Correctional Officers	34,481	45,231	47,243	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	58,911	87,348	102,124	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	36,248	59,627	76,070	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	22,430	41,798	50,819	No	No	No	Some college, no degree	No	Yes	Yes
33-2011	Firefighters	26,872	41,076	41,798	No	No	No	Postsecondary nondegree award	Yes	Yes	No
33-2021	Fire Inspectors and Investigators	40,651	57,330	61,680	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	27,443	32,441	35,440	No	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	25,509	39,049	47,050	No	No	No	High school diploma or equivalent	No	No	No
33-3012	Correctional Officers and Jailers	30,750	40,234	43,578	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	28,468	53,865	62,498	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	19,631	26,342	28,452	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	25,564	39,688	46,547	No	No	No	High school diploma or equivalent	No	No	No
33-3051	Police and Sheriff's Patrol Officers	36,903	56,514	75,783	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	41,660	60,014	71,250	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	27,657	38,421	40,438	No	No	No	Postsecondary nondegree award	Yes	Yes	No

Workforce Region 5 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	27,760	50,621	67,492	No	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	23,167	32,154	36,440	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	20,142	28,959	32,345	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	19,252	26,027	29,035	No	No	No	No formal educational credential	No	No	Yes
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	17,975	26,684	29,313	No	No	No	No formal educational credential	No	Yes	Yes
33-9093	Transportation Security Screeners	35,799	42,915	46,502	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	19,178	32,339	37,180	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	19,418	51,118	67,057	No	Yes	Yes	Associate's degree	No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	23,487	35,203	40,243	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,370	22,143	24,343	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	20,554	25,616	27,906	No	No	No	No formal educational credential	Yes	No	No
35-2013	Cooks, Private Household	19,483	27,915	32,747	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	19,319	28,185	32,432	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	18,436	24,006	27,353	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	21,605	31,709	38,435	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	19,064	24,741	27,798	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,706	24,625	25,660	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,658	21,721	23,320	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,706	25,159	25,340	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	19,060	24,889	26,200	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,500	20,863	21,369	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	19,068	23,282	25,561	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,582	22,118	24,128	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	17,512	25,453	28,452	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	25,109	40,658	48,345	No	No	No	High school diploma or equivalent	No	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	19,466	43,583	57,219	No	No	Yes	Some college, no degree	No	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,167	26,553	29,535	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	18,769	22,487	24,463	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	19,974	33,783	48,815	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	25,058	38,987	43,506	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	19,717	28,207	32,711	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	20,946	31,497	36,430	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	20,575	33,432	42,076	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	24,231	33,172	36,690	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	33,783	51,869	61,189	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	27,771	41,907	49,027	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	20,242	36,810	42,317	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	18,960	24,709	29,526	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	17,058	23,223	26,203	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,234	25,499	28,794	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	18,641	32,080	33,135	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	17,651	27,693	30,349	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	21,033	26,958	28,616	No	No	No	No formal educational credential	Yes	Yes	No
39-3091	Amusement and Recreation Attendants	18,922	24,184	26,045	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	24,241	52,110	67,900	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	18,012	25,601	29,183	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	17,540	24,093	28,036	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	31,377	52,683	53,683	Yes	Yes	No	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	19,715	27,739	29,313	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	29,313	50,805	56,747	No	Yes	Yes	Associate's degree	No	Yes	Yes
39-5011	Barbers	20,279	29,442	35,033	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	18,913	28,988	32,250	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	33,700	65,410	75,471	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	18,876	30,520	33,005	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	17,826	24,370	28,119	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	27,342	41,902	48,862	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
39-6011	Baggage Porters and Bellhops	17,428	23,111	26,369	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	19,493	26,851	29,813	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	20,427	30,285	33,209	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,186	24,723	25,701	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	19,102	34,867	47,937	No	No	No	Postsecondary nondegree award	No	No	Yes
39-9032	Recreation Workers	20,136	26,119	25,035	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	19,691	27,791	31,386	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	17,438	26,120	28,915	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	28,609	47,083	57,526	No	No	Yes	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	42,256	71,813	91,629	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,078	23,061	24,999	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	17,577	26,490	32,747	No	No	No	No formal educational credential	No	Yes	Yes
41-2021	Counter and Rental Clerks	19,382	26,160	29,493	No	No	No	No formal educational credential	No	No	Yes
41-2022	Parts Salespersons	19,761	30,611	36,315	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,387	29,048	32,214	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	20,462	46,304	52,708	No	No	No	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	33,553	60,763	67,065	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	31,554	88,834	87,407	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-3041	Travel Agents	25,065	39,400	47,347	No	No	No	Some college, no degree	Yes	Yes	Yes

Workforce Region 5 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	29,371	63,756	78,109	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	43,255	79,101	90,401	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	33,059	57,648	67,102	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,159	36,319	45,677	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models	19,159	36,319	45,677	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	24,750	61,847	64,383	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	26,842	55,881	88,009	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9031	Sales Engineers	51,934	103,358	133,476	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	19,516	30,752	35,915	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,401	25,518	27,721	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	19,514	26,776	29,763	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	32,791	61,976	68,595	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	20,951	25,073	28,000	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	22,334	29,072	30,201	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	27,332	37,828	44,724	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	20,678	33,418	39,260	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	27,470	39,012	45,184	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	24,840	40,512	47,722	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	18,363	25,879	29,248	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	20,070	40,331	52,174	No	No	No	Some college, no degree	No	Yes	Yes
43-3061	Procurement Clerks	25,374	42,191	51,901	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	23,768	30,423	32,373	No	No	No	High school diploma or equivalent	No	No	No
43-3099	Financial Clerks, All Other	28,359	43,354	50,684	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	32,809	46,547	54,260	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	27,101	38,754	45,066	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	27,711	35,289	39,402	No	No	No	Some college, no degree	Yes	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	26,342	40,096	46,001	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	20,727	33,401	39,056	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	25,369	31,420	31,293	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	22,480	28,085	30,716	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	18,886	23,264	25,195	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	27,962	41,625	49,854	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4121	Library Assistants, Clerical	18,964	28,085	32,598	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	28,022	43,565	52,216	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	27,573	37,671	42,845	No	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	21,291	46,571	59,370	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	25,506	33,160	38,006	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	19,307	27,216	30,949	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	21,973	38,994	53,933	No	No	No	High school diploma or equivalent	No	No	Yes
43-4199	Information and Record Clerks, All Other	28,672	41,497	49,099	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5011	Cargo and Freight Agents	33,090	43,416	51,846	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	19,988	29,376	31,551	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	22,651	32,153	37,575	No	No	No	High school diploma or equivalent	No	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	25,232	37,524	44,767	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	26,814	37,188	38,975	No	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,757	48,686	62,989	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,061	52,435	65,034	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	36,937	50,049	61,604	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	29,012	51,000	61,895	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	23,273	32,645	36,461	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	24,555	33,959	38,550	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	32,913	53,168	64,201	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	30,856	47,815	59,823	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	23,051	31,279	35,925	No	No	No	Some college, no degree	No	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	24,840	35,937	41,564	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	21,196	27,204	30,630	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	21,426	26,644	28,977	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	26,629	48,981	53,526	No	Yes	No	Associate's degree	No	Yes	No
43-9041	Insurance Claims and Policy Processing Clerks	25,742	40,182	46,489	No	No	No	High school diploma or equivalent	No	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	18,158	21,312	19,524	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	20,232	31,380	37,320	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	22,716	31,820	36,089	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	24,629	39,179	51,943	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	30,359	51,193	62,726	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	25,090	35,621	39,785	No	No	No	Some college, no degree	Yes	No	No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	30,779	54,873	76,027	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	18,983	34,533	43,687	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	20,242	36,810	42,317	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	23,732	31,377	35,227	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	21,455	31,053	35,496	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	18,592	24,533	28,767	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	19,418	29,840	38,245	No	No	No	No formal educational credential	No	Yes	Yes

Workforce Region 5 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	18,197	26,842	27,119	No	No	No	No formal educational credential	No	Yes	No
45-3031	Fishing and Hunting Workers	19,418	29,840	38,245	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	33,543	38,300	41,614	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	25,379	34,764	38,124	No	No	No	High school diploma or equivalent	No	No	No
45-4022	Logging Equipment Operators	17,391	33,552	42,724	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	21,371	30,849	35,921	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,261	43,863	55,247	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	40,699	61,533	68,288	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	32,460	48,037	56,367	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	36,924	47,620	52,199	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2022	Stonemasons	30,461	36,606	40,336	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	25,921	41,721	49,843	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	17,327	30,183	38,939	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,232	37,023	48,222	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	24,213	33,135	37,847	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	24,296	36,356	42,289	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	28,268	39,701	44,856	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	31,488	41,456	46,621	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2061	Construction Laborers	19,755	29,570	32,724	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	24,750	34,764	37,430	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	31,164	46,880	55,849	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	26,586	35,044	39,584	No	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	24,751	32,195	36,863	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	17,503	38,059	46,639	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	30,133	45,168	52,075	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	25,176	39,115	47,065	No	No	No	High school diploma or equivalent	No	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	25,407	36,458	42,863	No	No	No	High school diploma or equivalent	No	No	No
47-2132	Insulation Workers, Mechanical	27,082	36,921	42,706	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	26,182	36,098	39,286	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	30,562	44,316	56,728	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	26,120	36,449	41,493	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	33,688	45,012	54,243	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	21,159	34,968	42,308	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	29,276	42,086	48,398	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	22,654	35,801	42,855	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	24,620	39,337	46,667	No	No	No	High school diploma or equivalent	No	No	No
47-2221	Structural Iron and Steel Workers	25,324	40,882	48,305	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2231	Solar Photovoltaic Installers	23,611	33,422	37,384	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20,557	28,230	33,061	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	21,260	24,741	25,721	No	No	No	No formal educational credential	Yes	No	No
47-3013	Helpers--Electricians	22,924	30,943	34,520	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	19,159	26,129	30,442	No	No	No	No formal educational credential	No	No	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	25,623	33,179	39,447	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	22,862	31,654	36,236	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	26,249	31,459	34,447	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	35,188	56,848	64,343	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	49,357	82,940	100,144	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	23,815	35,625	43,761	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	25,009	36,838	43,687	No	No	No	High school diploma or equivalent	No	No	No
47-4051	Highway Maintenance Workers	26,470	30,286	32,408	No	No	No	High school diploma or equivalent	Yes	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	31,701	44,566	51,101	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	22,704	26,915	29,540	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	25,324	36,014	40,744	No	No	No	High school diploma or equivalent	No	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	31,812	41,901	47,426	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	23,084	50,175	64,855	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	28,089	34,553	38,615	No	No	No	High school diploma or equivalent	Yes	No	No
47-5041	Continuous Mining Machine Operators	33,598	53,470	63,790	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	33,598	53,470	63,790	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	28,387	34,709	36,838	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	31,812	41,901	47,426	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	21,936	31,747	37,125	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	24,491	42,447	49,351	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	33,015	52,563	67,409	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	30,974	55,083	64,712	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	19,406	36,321	41,713	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	29,017	53,452	68,187	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	30,409	51,510	65,991	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	31,534	54,525	66,252	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	26,203	40,142	47,500	No	No	No	High school diploma or equivalent	Yes	No	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	31,303	50,980	64,216	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	32,478	50,805	59,847	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	39,300	66,456	84,393	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	23,639	35,218	42,021	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	21,918	34,015	41,283	No	No	No	Postsecondary nondegree award	No	No	No
49-2098	Security and Fire Alarm Systems Installers	29,289	47,319	58,413	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	34,142	61,908	87,344	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	18,847	34,969	46,685	No	No	No	Postsecondary nondegree award	No	No	Yes
49-3022	Automotive Glass Installers and Repairers	20,251	34,709	40,022	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	26,198	45,659	58,235	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	28,869	49,645	61,268	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	24,602	39,346	47,704	No	No	No	High school diploma or equivalent	No	No	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	32,092	46,527	54,766	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	33,857	51,924	58,894	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	26,166	46,371	58,598	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	23,750	34,135	40,179	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	27,791	41,307	49,082	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3091	Bicycle Repairers	20,686	27,850	31,682	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	25,333	44,455	56,145	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-3093	Tire Repairers and Changers	19,520	29,035	34,320	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	22,519	37,319	43,900	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	29,211	47,000	55,719	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	30,179	42,217	47,764	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	35,799	51,217	60,428	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9041	Industrial Machinery Mechanics	27,045	43,293	50,008	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	23,213	36,828	45,251	No	No	No	High school diploma or equivalent	No	No	No
49-9044	Millwrights	29,766	46,445	57,274	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	43,764	69,380	81,739	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	28,248	42,595	48,417	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	18,002	38,448	50,897	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	22,490	38,242	46,835	No	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	21,982	32,691	37,263	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,307	40,549	50,360	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	35,523	52,656	60,347	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	23,221	36,158	41,950	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	41,688	68,261	82,931	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18,095	28,545	34,515	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	31,414	46,612	47,343	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	33,859	42,493	48,466	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9095	Manufactured Building and Mobile Home Installers	19,770	27,212	29,739	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	30,183	45,566	55,164	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	36,754	61,384	73,898	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	22,594	32,578	38,945	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	25,109	33,521	38,541	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	35,115	57,601	66,458	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	17,836	38,245	49,416	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	17,373	33,182	46,297	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	24,213	32,902	38,043	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	23,704	28,082	29,461	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	23,796	33,802	38,652	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	24,065	33,339	37,115	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	21,329	28,660	31,269	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	19,743	27,121	31,325	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	20,390	32,710	38,559	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	20,140	28,850	34,255	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	20,751	26,499	29,091	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	23,732	31,377	35,227	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,354	28,165	32,552	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	18,030	26,018	30,211	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	19,622	25,333	28,415	No	No	No	No formal educational credential	Yes	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	23,898	32,987	37,458	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	24,500	33,089	36,616	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	24,666	33,941	39,698	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	33,159	43,459	48,489	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	31,034	51,045	62,328	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,548	30,359	35,366	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,371	35,292	41,493	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	31,312	41,243	46,806	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 5 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	26,979	37,593	43,207	No	No	No	Postsecondary nondegree award	Yes	No	No
51-4051	Metal-Refining Furnace Operators and Tenders	28,434	39,300	45,705	No	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	24,315	38,383	46,010	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	31,034	51,045	62,328	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic										
51-4071	Foundry Mold and Coremakers										
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	19,641	31,108	36,542	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	23,722	33,580	36,865	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	27,702	49,379	58,302	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	28,905	40,297	42,529	No	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	23,371	33,015	37,911	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	20,761	32,312	37,162	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	26,601	42,447	52,804	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	26,471	36,051	39,022	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	24,370	33,330	36,930	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	19,724	31,729	36,069	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	26,546	36,027	40,212	No	No	No	Postsecondary nondegree award	Yes	No	No
51-5112	Printing Press Operators	23,872	34,339	40,038	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	19,286	32,909	41,285	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,584	21,601	23,708	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	17,725	22,649	25,712	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	17,789	25,916	29,341	No	No	No	No formal educational credential	No	No	Yes
51-6041	Shoe and Leather Workers and Repairers	18,336	28,693	34,533	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	17,651	27,638	33,348	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	19,622	26,416	31,469	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	18,539	27,508	32,154	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	23,880	28,794	32,747	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	19,604	29,054	34,098	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	17,651	24,481	27,878	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	19,511	41,882	65,197	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	35,283	63,790	75,999	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	17,428	27,406	29,155	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	22,325	36,116	42,882	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,317	25,509	31,164	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	27,884	36,410	40,505	No	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Furniture Finishers	18,428	34,172	42,354	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	20,140	28,489	31,682	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	19,659	30,488	36,218	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	21,140	37,800	52,619	No	No	No	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	65,188	89,132	101,026	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	53,546	73,785	92,011	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	41,688	68,261	82,931	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	36,144	53,961	60,903	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	29,286	46,872	53,874	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	29,498	48,102	58,552	Yes	Yes	Yes	Associate's degree	No	No	Yes
51-8092	Gas Plant Operators	30,636	44,390	53,322	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	28,137	47,482	55,266	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	36,273	55,451	59,394	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	24,768	41,391	52,350	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	22,843	35,523	42,789	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	22,121	33,348	38,420	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,344	31,062	35,199	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	23,593	33,848	37,828	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	19,437	32,811	39,105	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	21,695	32,293	37,921	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,075	31,460	35,736	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,307	30,507	35,116	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	23,295	38,051	47,994	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	22,630	41,873	53,415	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	20,474	39,216	47,945	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	23,676	42,715	50,194	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	20,427	31,729	35,810	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	18,243	27,832	32,876	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,252	30,405	39,207	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	27,153	40,276	48,316	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-9141	Semiconductor Processing Technicians	26,277	38,707	45,381	No	No	No	High school diploma or equivalent	Yes	No	No

Workforce Region 5 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	22,390	38,902	46,621	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	24,500	36,764	43,613	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	32,858	50,388	59,125	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	19,974	32,108	38,911	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,158	32,117	36,893	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	20,094	34,385	42,484	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,299	24,731	30,738	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	22,167	31,423	35,644	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	23,815	34,070	38,337	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	24,278	34,931	42,410	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	26,030	33,211	38,060	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	23,194	30,415	34,754	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	32,210	58,913	73,129	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	34,157	50,217	59,614	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	90,872	212,631	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	36,039	104,533	136,886	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	64,336	113,521	140,687	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	23,528	43,159	55,914	No	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	28,508	53,905	62,263	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,288	27,008	29,313	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,297	31,433	38,391	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	27,053	41,564	50,340	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	24,129	37,338	43,881	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	21,744	31,367	37,074	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	24,365	33,671	38,820	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,428	28,212	29,423	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	49,564	62,235	68,557	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	50,018	62,846	71,537	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	32,173	52,563	62,837	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	50,018	62,846	71,537	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	20,724	39,050	55,034	No	No	No	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	26,814	51,230	66,872	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	22,066	38,087	45,131	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	20,696	75,073	97,898	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	18,493	40,651	51,786	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	30,451	67,928	83,209	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	23,778	36,967	45,390	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	17,641	22,862	26,258	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	21,093	27,450	30,726	No	No	No	No formal educational credential	Yes	Yes	Yes
53-6041	Traffic Technicians	26,666	44,307	51,425	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	48,713	85,597	113,364	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,401	22,760	24,537	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	20,872	30,729	36,005	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	18,521	31,442	37,717	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	33,135	56,515	68,696	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	31,599	44,594	51,776	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	24,972	38,467	40,429	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	26,551	32,626	36,729	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	18,946	25,450	29,352	No	No	No	No formal educational credential	No	No	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,026	28,163	31,212	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	18,521	30,053	35,921	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,773	24,436	25,137	No	No	No	No formal educational credential	Yes	No	No
53-7065	Stockers and Order Fillers	20,778	27,307	30,987	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	18,789	37,698	44,909	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	24,435	37,208	44,029	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	18,521	31,442	37,717	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	21,047	39,439	50,175	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 5 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	29,323	47,829	55,049	
1	No formal educational credential	19,570	26,314	29,028	81
2	High school diploma or equivalent	26,036	40,363	47,249	226
3	Some college, no degree	23,070	38,170	45,576	48
4	Postsecondary nondegree award	25,356	37,894	44,506	84
5	Associate's degree	31,545	48,396	56,531	63
6	Bachelor's degree	37,680	66,336	76,693	172
7	Master's degree	39,798	63,578	74,759	42
8	Doctoral or professional degree	52,296	105,519	115,801	62

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	460	318	424	354	396	382
No formal educational credential	45.7%	54.3%	33.3%	66.7%	29.6%	70.4%
High school diploma or equivalent	73.0%	27.0%	75.7%	24.3%	73.9%	26.1%
Some college, no degree	39.6%	60.4%	31.3%	68.8%	31.3%	68.8%
Postsecondary nondegree award	40.5%	59.5%	29.8%	70.2%	29.8%	70.2%
Associate's degree	60.3%	39.7%	34.9%	65.1%	30.2%	69.8%
Bachelor's degree	58.1%	41.9%	57.6%	42.4%	54.1%	45.9%
Master's degree	66.7%	33.3%	54.8%	45.2%	42.9%	57.1%
Doctoral or professional degree	62.9%	37.1%	67.7%	32.3%	56.5%	43.5%

Workforce Region 6 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	63,152	217,446	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	47,199	76,866	93,500	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	26,786	42,076	38,088	Yes	Yes	No	Bachelor's degree	No	No	No
11-2011	Advertising and Promotions Managers	44,478	101,429	117,789	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	53,524	122,078	154,714	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	49,693	123,178	156,199	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	50,517	101,814	118,595	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	27,662	61,660	90,324	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
11-3021	Computer and Information Systems Managers	72,908	134,359	159,984	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	53,243	92,764	104,543	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	53,304	103,656	126,660	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	56,356	107,881	133,873	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	45,183	89,185	110,191	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	60,425	97,671	115,736	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	53,991	104,142	124,891	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	53,432	100,073	122,151	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	33,874	72,825	77,206	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-9021	Construction Managers	37,122	73,121	103,561	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	24,901	41,087	47,603	No	Yes	Yes	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	48,468	77,032	92,745	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	43,250	89,771	106,369	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	38,795	72,898	91,073	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9041	Architectural and Engineering Managers	78,425	129,886	153,825	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	34,362	45,562	48,652	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	42,223	80,670	88,717	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	31,298	60,324	69,846	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	48,902	78,835	95,596	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	47,539	86,444	106,873	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	66,132	75,803	85,665	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	29,365	57,144	66,492	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	28,708	59,082	81,947	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
11-9161	Emergency Management Directors	44,340	75,905	91,916	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	38,612	75,089	91,879	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	50,264	81,100	90,786	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes										
13-1020	Buyers and Purchasing Agents	34,162	54,168	66,628	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	35,514	60,159	74,007	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	44,945	62,991	73,861	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	28,700	44,501	59,965	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	35,746	67,971	96,783	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1071	Human Resources Specialists	33,012	54,633	71,370	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	17,349	53,991	73,210	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	28,314	32,606	37,371	Yes	No	No	Bachelor's degree	No	No	No
13-1111	Management Analysts	36,414	47,034	49,514	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1121	Meeting, Convention, and Event Planners	23,380	46,137	56,145	No	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	25,387	51,269	63,816	No	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	31,683	52,717	61,662	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	24,779	40,759	48,276	No	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	26,543	50,392	60,186	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	20,343	45,566	59,886	No	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	33,282	53,866	65,318	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	23,921	50,866	63,440	No	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	41,527	68,123	81,963	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2041	Credit Analysts	42,058	76,097	90,798	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	28,439	94,262	115,855	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	31,674	64,265	81,660	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2061	Financial Examiners	42,214	76,418	92,163	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	30,455	46,063	48,804	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2072	Loan Officers	68,281	95,798	113,755	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2081	Tax Examiners and Collectors, and Revenue Agents	25,964	44,579	51,663	No	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	17,652	43,167	55,971	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	35,615	69,993	82,421	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1211	Computer Systems Analysts	43,763	80,615	97,176	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	47,521	87,242	110,622	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	66,969	109,953	128,447	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	31,528	60,516	74,127	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	33,250	47,667	56,950	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	55,577	99,184	120,712	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	44,478	75,675	91,797	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1245	Database Administrators and Architects	43,240	88,259	112,894	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	42,077	73,384	90,715	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	49,775	91,677	112,858	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	30,813	62,148	76,940	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 6 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	30,327	72,532	94,839	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2011	Actuaries										
15-2021	Mathematicians										
15-2031	Operations Research Analysts	32,701	64,742	82,384	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-2041	Statisticians	27,046	66,245	87,342	Yes	Yes	Yes	Master's degree	No	Yes	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	47,291	85,170	108,559	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	42,791	76,729	93,208	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	39,336	66,245	83,383	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1021	Cartographers and Photogrammetrists	40,280	62,203	73,888	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	30,675	60,214	75,556	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	61,186	100,393	119,667	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers										
17-2031	Bioengineers and Biomedical Engineers	57,135	83,521	100,274	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	45,862	89,533	113,215	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	64,862	77,127	79,658	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	58,280	94,042	113,976	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	54,248	90,953	111,061	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	60,883	93,804	109,430	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	37,934	75,107	92,539	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	43,130	76,546	94,922	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	48,996	79,158	94,867	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	44,423	73,604	87,993	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	46,705	88,140	107,423	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	47,062	82,210	102,465	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	67,372	108,275	132,535	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	78,892	99,504	112,390	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	67,812	147,291	181,091	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	47,090	90,284	114,049	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	33,067	50,627	58,775	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	21,437	47,887	59,435	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3013	Mechanical Drafters	32,545	55,650	68,206	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	30,749	50,582	58,317	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	37,320	62,927	81,165	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	28,329	47,676	59,325	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	29,383	55,219	68,792	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	30,419	48,703	56,521	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	24,883	40,079	47,979	No	Yes	Yes	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	31,473	50,243	59,655	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	28,769	50,710	65,374	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	20,298	29,980	35,225	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	34,662	54,834	65,172	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists										
19-1012	Food Scientists and Technologists	29,420	53,313	67,097	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	29,181	66,226	89,881	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1021	Biochemists and Biophysicists	40,418	73,219	83,383	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	33,186	57,565	70,277	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	29,722	48,666	54,770	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	34,909	65,310	84,382	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1031	Conservation Scientists	31,005	63,761	79,690	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1032	Foresters	42,562	69,544	88,946	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1041	Epidemiologists	30,162	50,618	63,028	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	37,989	80,588	95,609	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1099	Life Scientists, All Other	46,210	95,600	119,897	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers										
19-2012	Physicists										
19-2021	Atmospheric and Space Scientists	54,257	90,724	106,635	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	33,251	59,527	73,155	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	45,523	94,583	122,994	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	34,399	45,844	52,168	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	47,530	82,989	105,434	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	42,993	87,755	103,125	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	43,515	107,386	125,707	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	48,474	86,499	97,561	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	27,046	66,245	87,342	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3031	Clinical, Counseling, and School Psychologists	35,661	70,946	80,844	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	27,046	66,245	87,342	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	42,260	89,762	105,911	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists										
19-3051	Urban and Regional Planners	38,447	65,383	78,828	Yes	Yes	Yes	Master's degree	No	Yes	No
19-3091	Anthropologists and Archeologists	30,162	50,618	63,028	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	22,885	53,698	78,856	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	50,105	76,088	89,890	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	17,679	33,434	40,491	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	25,470	40,766	50,627	No	Yes	Yes	Bachelor's degree	No	No	No

Workforce Region 6 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
19-4031	Chemical Technicians	28,751	46,714	56,337	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-4042	Environmental Science and Protection Technicians, Including Health	23,976	42,773	48,895	No	Yes	Yes	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians										
19-4051	Nuclear Technicians	64,549	88,259	100,036	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	24,709	49,299	57,162	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	28,613	43,085	51,516	Yes	Yes	Yes	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	31,097	50,013	59,664	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	19,256	44,111	55,512	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	31,583	62,120	78,196	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-5012	Occupational Health and Safety Technicians	24,773	46,054	59,710	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	33,619	51,521	64,746	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	27,458	38,915	45,788	Yes	No	Yes	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	20,383	32,343	37,457	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	28,400	41,560	44,525	Yes	Yes	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	21,840	33,269	37,063	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	35,212	44,002	49,504	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	31,024	49,720	58,958	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	24,122	41,004	48,538	No	Yes	Yes	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	35,183	43,074	45,671	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	27,706	53,863	68,169	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	28,796	36,898	40,876	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	21,867	32,244	36,980	No	No	No	Some college, no degree	Yes	Yes	Yes
21-1094	Community Health Workers	24,131	38,484	45,339	No	No	Yes	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	26,084	39,116	45,633	No	No	Yes	Bachelor's degree	No	No	No
21-2011	Clergy	31,314	50,419	61,293	Yes	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	23,481	42,901	51,681	No	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	17,991	39,868	52,855	No	Yes	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	51,534	77,890	95,426	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	27,788	47,062	53,239	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	35,606	94,005	115,122	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
23-1022	Arbitrators, Mediators, and Conciliators	23,407	65,328	92,411	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	133,873	172,100	156,996	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	29,988	47,750	56,878	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
23-2093	Title Examiners, Abstractors, and Searchers	30,914	48,153	56,301	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	24,443	53,120	56,750	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	54,532	100,054	117,669	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1021	Computer Science Teachers, Postsecondary	42,791	90,587	113,380	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	39,116	76,244	100,623	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	24,306	83,117	103,720	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	49,638	101,457	124,277	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1041	Agricultural Sciences Teachers, Postsecondary	50,811	95,838	116,652	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1042	Biological Science Teachers, Postsecondary	38,805	82,549	101,081	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary										
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	43,763	87,214	108,046	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	47,988	80,707	95,325	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	21,474	68,957	80,945	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary										
25-1061	Anthropology and Archeology Teachers, Postsecondary	53,377	85,317	96,407	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	39,785	73,696	89,515	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary										
25-1064	Geography Teachers, Postsecondary										
25-1065	Political Science Teachers, Postsecondary										
25-1066	Psychology Teachers, Postsecondary	38,493	74,786	89,230	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary										
25-1069	Social Sciences Teachers, Postsecondary, All Other	40,463	77,114	102,309	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	52,671	106,910	114,058	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	52,671	106,910	114,058	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	38,905	62,725	74,438	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary										
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	36,431	82,036	89,322	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	51,507	139,427	184,794	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary										
25-1121	Art, Drama, and Music Teachers, Postsecondary	30,620	90,816	103,876	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	38,126	66,455	78,526	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	28,650	70,360	97,461	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	43,378	78,828	101,594	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	26,725	76,335	87,782	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	41,380	85,821	100,916	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	30,584	61,607	74,713	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	29,081	51,297	60,801	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	21,034	51,214	64,375	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	19,400	25,216	26,768	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	32,820	53,084	63,348	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	36,297	52,672	61,842	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	41,215	56,914	66,179	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	27,468	54,110	69,113	Yes	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	35,764	53,916	62,862	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	39,996	59,783	68,023	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	29,374	57,006	72,513	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	37,512	58,610	70,781	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	37,595	54,651	64,146	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	38,291	57,794	69,232	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	25,680	47,502	57,749	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	29,099	43,158	53,285	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	18,331	25,067	27,799	No	No	No	Some college, no degree	No	No	No
25-3031	Substitute Teachers, Short-Term	17,313	27,147	28,549	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	27,693	51,486	63,669	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	25,048	39,914	46,494	No	Yes	Yes	Master's degree	No	No	No
25-4012	Curators	26,524	50,591	57,584	Yes	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	20,960	37,815	45,559	No	No	Yes	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	33,685	48,614	55,643	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	23,389	33,965	37,631	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	20,460	37,261	49,337	No	No	Yes	Master's degree	No	No	No
25-9031	Instructional Coordinators	30,730	56,960	70,323	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	17,542	34,946	45,092	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	18,357	22,441	24,683	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	21,501	45,953	58,638	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	42,975	87,837	94,784	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	16,809	30,043	36,073	No	No	No	Some college, no degree	No	No	Yes
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	17,615	43,460	58,189	No	Yes	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	39,116	60,315	71,689	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	27,843	78,544	96,022	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	36,550	61,946	72,330	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	29,685	57,345	66,318	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	19,796	29,154	33,645	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	22,319	43,773	50,977	No	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	22,445	48,859	57,978	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	19,375	31,986	35,322	No	No	No	Some college, no degree	No	Yes	No
27-1027	Set and Exhibit Designers										
27-1029	Designers, All Other	29,420	53,808	61,717	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors										
27-2012	Producers and Directors	30,144	67,106	79,296	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-2021	Athletes and Sports Competitors	17,157	65,072	76,546	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	18,128	41,756	49,014	No	Yes	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	17,175	36,046	43,021	No	No	No	Some college, no degree	No	Yes	Yes
27-2031	Dancers										
27-2032	Choreographers										
27-2041	Music Directors and Composers	17,267	60,553	70,424	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	17,367	82,239	115,294	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	17,368	23,856	27,761	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys										
27-3023	News Analysts, Reporters, and Journalists	26,395	58,097	67,390	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	52,975	64,088	63,895	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-3041	Editors	22,573	50,857	59,444	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	31,528	57,410	70,699	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	26,047	62,533	65,429	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	21,373	50,078	64,063	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	17,771	46,879	77,041	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	17,542	41,197	51,269	No	Yes	Yes	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	25,030	45,724	56,172	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4012	Broadcast Technicians	20,218	42,828	52,286	No	Yes	Yes	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	21,639	51,791	59,490	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	17,588	33,535	37,100	No	No	No	Some college, no degree	No	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	21,464	45,697	56,823	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	29,218	49,473	59,609	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	22,665	74,475	96,691	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	31,922	77,673	87,883	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	82,082	165,813	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons										
29-1023	Orthodontists	82,082	165,813	190,632	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists										
29-1029	Dentists, All Other Specialists										
29-1031	Dietitians and Nutritionists	37,127	56,484	66,584	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	41,444	97,561	122,884	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1051	Pharmacists	105,842	118,085	129,301	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1071	Physician Assistants	58,812	99,734	120,410	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	49,363	121,629	166,785	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1122	Occupational Therapists	67,266	85,638	99,030	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	62,396	81,586	94,027	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1124	Radiation Therapists	52,900	77,756	90,220	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	25,882	46,842	55,852	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	42,535	55,127	60,562	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	52,234	114,485	154,081	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	32,563	49,628	60,938	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	29,108	47,218	55,265	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	53,954	103,271	115,488	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1141	Registered Nurses	41,712	59,940	69,084	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	124,497	162,001	166,959	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,071	61,891	90,752	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	49,334	78,208	95,998	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	40,528	67,601	76,335	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	124,809	248,775	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	86,912	187,323	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	46,723	192,181	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	114,306	225,065	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	53,918	145,054	180,752	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	42,975	184,702	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	68,817	192,835	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	47,667	224,387	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	41,747	62,203	72,229	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	19,861	61,717	74,401	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	26,120	48,547	60,562	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	23,930	45,413	62,267	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2032	Diagnostic Medical Sonographers	43,992	62,331	72,257	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	52,827	69,865	78,801	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	34,506	52,790	62,102	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	43,222	61,314	71,579	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	20,742	25,381	28,308	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	18,981	27,385	29,640	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	20,841	29,990	37,852	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	20,823	30,345	34,653	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	29,658	42,810	50,013	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	22,188	32,545	36,972	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	25,103	37,531	44,249	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	32,139	44,182	49,752	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	21,373	38,860	51,654	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	34,039	70,076	82,769	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-2092	Hearing Aid Specialists	26,670	58,060	67,069	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	23,737	38,930	50,141	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	30,519	44,771	50,838	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors										
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	26,359	54,293	67,674	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	18,878	25,664	28,694	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,391	27,446	30,608	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	19,485	25,964	28,531	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	23,435	27,513	29,328	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	46,742	61,900	71,918	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides										
31-2021	Physical Therapist Assistants	33,278	57,703	68,417	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	17,863	25,983	29,557	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	18,119	37,146	45,871	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	26,331	37,732	44,469	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	23,137	28,115	30,920	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	22,143	31,308	35,908	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	18,843	31,069	35,734	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	19,732	29,869	35,689	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	19,338	27,477	32,151	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	24,287	31,812	35,872	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9099	Healthcare Support Workers, All Other	24,590	31,894	35,982	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	31,482	43,910	45,284	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	41,477	61,075	72,731	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	33,370	43,924	49,678	Yes	Yes	Yes	Associate's degree	Yes	No	No
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	24,663	44,019	54,495	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	21,699	27,711	30,826	No	No	No	Postsecondary nondegree award	No	No	No
33-2021	Fire Inspectors and Investigators	40,253	56,768	61,076	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	27,174	32,123	35,093	Yes	No	No	Some college, no degree	Yes	Yes	No
33-3011	Bailiffs	30,135	42,837	49,628	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,752	35,147	35,396	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	32,218	46,814	53,701	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	19,439	26,084	28,173	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	25,314	39,300	46,091	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	34,977	45,284	50,188	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
33-3052	Transit and Railroad Police	41,252	59,426	70,552	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	22,134	30,770	36,818	No	No	No	Postsecondary nondegree award	No	No	No

Workforce Region 6 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	30,574	45,220	55,109	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators										
33-9032	Security Guards	18,589	30,561	34,641	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	19,063	25,772	28,751	No	No	No	No formal educational credential	No	Yes	Yes
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	17,798	26,423	29,026	No	No	No	No formal educational credential	No	Yes	Yes
33-9093	Transportation Security Screeners	32,820	38,924	41,554	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	18,990	32,023	36,816	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	26,459	50,710	62,753	No	Yes	Yes	Associate's degree	No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	20,885	28,079	30,635	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	17,010	20,181	21,849	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	18,804	23,356	25,525	No	No	No	No formal educational credential	No	No	No
35-2013	Cooks, Private Household	19,292	27,642	32,426	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	18,638	23,848	26,701	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	18,028	24,342	27,825	No	No	No	No formal educational credential	No	No	Yes
35-2019	Cooks, All Other	19,861	27,999	32,930	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	18,964	25,841	30,145	No	No	No	No formal educational credential	No	Yes	Yes
35-3011	Bartenders	18,419	21,649	23,673	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,400	20,597	20,597	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	17,157	24,617	27,807	No	No	No	No formal educational credential	No	No	Yes
35-3041	Food Servers, Nonrestaurant	17,349	21,914	23,527	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	17,203	21,263	22,711	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	17,450	21,584	23,692	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	17,267	21,703	23,572	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	17,340	25,204	28,173	No	No	No	No formal educational credential	No	Yes	Yes
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	23,105	36,898	44,551	No	No	No	High school diploma or equivalent	No	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	18,795	30,306	36,930	No	No	No	Some college, no degree	No	No	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	18,697	24,276	27,793	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	18,596	22,285	24,584	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	19,778	33,452	48,336	No	No	Yes	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	22,381	35,927	42,819	No	No	No	High school diploma or equivalent	No	No	Yes
37-3011	Landscaping and Groundskeeping Workers	19,158	25,154	25,241	No	No	No	No formal educational credential	No	Yes	No
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	20,740	31,188	36,073	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	20,374	33,104	41,664	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	23,994	32,847	36,330	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	33,452	51,361	60,590	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	27,891	45,085	51,926	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	20,044	36,449	41,902	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	18,829	23,331	20,546	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	16,891	22,995	25,946	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners										
39-3019	Gambling Service Workers, All Other										
39-3021	Motion Picture Projectionists										
39-3031	Ushers, Lobby Attendants, and Ticket Takers	17,468	23,352	25,928	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	17,276	22,033	23,407	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants										
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	17,835	25,350	28,897	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other										
39-4011	Embalmers	31,069	52,167	53,157	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
39-4021	Funeral Attendants	19,521	27,468	29,026	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	30,487	43,157	49,285	Yes	Yes	Yes	Associate's degree	Yes	No	No
39-5011	Barbers	20,081	29,154	34,690	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	17,688	27,898	32,398	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance										
39-5092	Manicurists and Pedicurists	18,587	24,782	27,293	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	17,652	24,131	27,843	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,311	33,076	38,191	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	17,258	22,885	26,111	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	19,301	26,588	29,520	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	20,227	29,988	32,884	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	17,441	23,829	25,772	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	18,699	19,933	20,326	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	18,542	25,465	30,667	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	25,012	28,970	31,251	No	No	No	Some college, no degree	Yes	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	17,267	25,864	28,631	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	23,998	37,697	42,914	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	54,699	63,336	66,394	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	18,809	21,437	23,043	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	17,404	26,230	32,426	No	No	No	No formal educational credential	No	Yes	Yes
41-2021	Counter and Rental Clerks	27,956	37,784	40,756	Yes	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	20,617	27,776	32,340	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,359	26,094	29,184	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	20,291	51,883	67,161	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	43,126	72,413	79,321	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	32,472	71,166	77,637	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-3041	Travel Agents	18,321	37,036	45,541	No	No	Yes	Some college, no degree	No	Yes	Yes

Workforce Region 6 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	18,569	46,536	47,763	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	30,391	84,236	112,574	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	24,784	61,355	80,835	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	18,972	35,963	45,229	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models										
41-9021	Real Estate Brokers	24,507	61,241	63,752	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	18,321	56,016	64,760	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	51,425	102,346	132,168	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	18,046	25,488	28,036	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,230	25,268	27,449	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	18,651	33,095	35,689	No	No	No	Some college, no degree	No	Yes	Yes
43-1011	First-Line Supervisors of Office and Administrative Support Workers	35,276	52,190	65,995	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	19,375	28,063	31,436	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	22,115	28,787	29,905	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	27,064	37,457	44,285	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-3011	Bill and Account Collectors	24,388	34,378	37,641	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	25,197	33,515	40,741	No	No	No	High school diploma or equivalent	No	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	21,092	32,746	38,923	No	No	No	Some college, no degree	No	Yes	Yes
43-3041	Gambling Cage Workers	18,183	25,625	28,961	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	19,578	35,954	46,324	No	No	Yes	Some college, no degree	No	Yes	Yes
43-3061	Procurement Clerks	27,907	39,648	46,036	Yes	Yes	Yes	Associate's degree	No	No	No
43-3071	Tellers	24,810	32,078	35,899	No	No	No	High school diploma or equivalent	No	No	No
43-3099	Financial Clerks, All Other	28,082	42,929	50,188	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	32,398	49,775	59,463	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks										
43-4031	Court, Municipal, and License Clerks	27,440	40,464	47,780	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	26,084	39,703	45,550	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	21,780	32,495	38,332	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	24,581	33,223	39,629	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	20,374	31,463	37,109	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	18,073	24,223	27,101	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	18,293	33,617	38,227	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	18,367	26,056	29,126	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	23,921	39,739	47,649	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
43-4141	New Accounts Clerks	27,303	37,302	42,425	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4151	Order Clerks	21,171	32,187	36,486	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	38,626	65,124	77,669	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
43-4171	Receptionists and Information Clerks	18,940	26,016	29,874	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	21,758	38,612	53,404	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
43-4199	Information and Record Clerks, All Other	27,502	37,731	44,260	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5011	Cargo and Freight Agents	24,846	40,803	47,053	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
43-5021	Couriers and Messengers	19,411	29,658	34,470	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	25,205	31,778	35,492	No	No	No	High school diploma or equivalent	No	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	22,023	34,552	39,969	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	24,150	38,411	45,385	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
43-5051	Postal Service Clerks	37,757	53,858	64,269	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,609	53,950	68,337	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	31,564	47,301	57,721	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	26,695	50,027	65,573	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	21,794	29,446	31,919	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	24,315	33,626	38,172	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	29,927	54,400	62,368	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	27,504	43,589	53,075	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	22,165	31,947	37,217	No	No	No	Some college, no degree	Yes	Yes	Yes
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	22,021	33,085	38,629	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	22,323	28,979	33,784	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	18,614	30,107	35,936	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	26,368	48,501	53,001	No	Yes	Yes	Associate's degree	No	Yes	Yes
43-9041	Insurance Claims and Policy Processing Clerks	25,360	38,557	43,598	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	18,862	28,998	34,130	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	20,884	31,567	34,175	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	18,660	30,602	35,569	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers										
43-9111	Statistical Assistants										
43-9199	Office and Administrative Support Workers, All Other	19,081	33,368	43,539	No	No	No	Some college, no degree	No	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	25,485	45,483	55,598	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
45-2011	Agricultural Inspectors	18,797	34,195	43,259	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	20,044	36,449	41,902	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	23,499	31,069	34,882	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	21,244	30,749	35,148	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	19,221	22,930	24,287	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	19,228	29,548	37,870	No	No	No	No formal educational credential	No	Yes	Yes

Workforce Region 6 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	18,018	26,579	26,853	No	No	No	No formal educational credential	No	Yes	No
45-3031	Fishing and Hunting Workers	19,228	29,548	37,870	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	33,214	37,925	41,206	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
45-4021	Fallers	25,130	34,424	37,751	No	No	No	High school diploma or equivalent	No	No	No
45-4022	Logging Equipment Operators	33,355	40,047	45,449	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-4023	Log Graders and Scalers	21,162	30,547	35,569	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,083	43,433	54,706	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	36,158	51,181	58,725	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	32,142	47,566	55,815	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	26,936	39,217	45,715	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2022	Stonemasons	30,162	36,248	39,941	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	28,260	36,915	40,680	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	17,157	29,887	38,557	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,014	36,660	47,750	No	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers										
47-2044	Tile and Stone Setters	24,058	36,000	41,875	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	23,682	36,477	43,149	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	31,179	41,050	46,164	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	26,207	35,509	39,400	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	24,507	34,424	37,063	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators										
47-2073	Operating Engineers and Other Construction Equipment Operators	23,364	31,950	36,765	No	No	No	High school diploma or equivalent	No	No	No
47-2081	Drywall and Ceiling Tile Installers	21,290	34,240	41,802	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	17,331	37,686	46,182	No	No	Yes	No formal educational credential	No	Yes	Yes
47-2111	Electricians	33,465	37,722	39,790	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	24,929	38,731	46,604	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	25,158	36,101	42,443	No	No	No	High school diploma or equivalent	No	No	Yes
47-2132	Insulation Workers, Mechanical	26,817	36,559	42,287	Yes	No	No	High school diploma or equivalent	Yes	No	Yes
47-2141	Painters, Construction and Maintenance	27,128	33,023	37,373	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	30,263	43,882	56,172	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	25,864	36,092	41,087	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	27,202	41,783	47,823	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	20,951	34,625	41,893	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	28,989	41,673	47,924	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	20,603	33,452	41,096	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	24,379	38,951	46,210	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-2221	Structural Iron and Steel Workers	25,075	40,482	47,832	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
47-2231	Solar Photovoltaic Installers	23,380	33,095	37,017	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20,355	27,953	32,737	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	20,502	29,768	34,818	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	20,841	28,604	32,967	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	18,972	25,873	30,144	No	No	No	No formal educational credential	No	Yes	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	21,400	28,677	32,197	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	22,638	31,344	35,881	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	21,134	28,952	33,306	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	35,092	51,013	61,571	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	37,971	71,175	89,615	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	23,582	35,276	43,332	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	24,764	36,477	43,259	No	No	No	High school diploma or equivalent	No	No	Yes
47-4051	Highway Maintenance Workers	22,060	29,126	31,779	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	31,390	44,129	50,600	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	33,395	39,934	40,140	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	No
47-4090	Miscellaneous Construction and Related Workers	25,075	35,661	40,344	No	No	No	High school diploma or equivalent	No	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas										
47-5013	Service Unit Operators, Oil and Gas										
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	24,012	37,806	43,827	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-5041	Continuous Mining Machine Operators	33,269	52,946	63,165	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining										
47-5051	Rock Splitters, Quarry	28,109	34,369	36,477	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	31,500	41,490	46,961	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	21,721	31,436	36,761	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	24,251	42,031	48,868	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	32,692	52,048	66,749	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	34,091	55,560	69,059	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	22,738	36,064	43,598	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	28,732	52,928	67,519	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	31,289	52,515	67,033	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	31,225	53,991	65,603	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	25,946	39,749	47,035	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	30,996	50,481	63,587	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	33,447	36,667	39,376	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	38,915	65,805	83,566	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	23,407	34,873	41,609	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2097	Audiovisual Equipment Installers and Repairers	22,243	40,326	51,187	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	26,001	41,453	50,233	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	31,482	62,432	81,239	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	24,296	45,724	53,276	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	20,053	34,369	39,629	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	19,598	30,432	31,190	No	No	No	Postsecondary nondegree award	No	No	No
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	33,613	43,175	49,454	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	24,361	38,960	47,236	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	36,422	52,587	61,512	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	33,526	51,416	58,317	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	25,909	45,917	58,024	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	23,517	33,801	39,785	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	21,235	33,727	40,253	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	20,484	27,577	31,372	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	25,085	44,019	55,595	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
49-3093	Tire Repairers and Changers	19,329	28,751	33,984	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	22,298	36,953	43,470	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	28,925	46,540	55,173	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	32,842	38,509	41,184	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	24,269	37,173	44,441	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9041	Industrial Machinery Mechanics	25,587	41,438	50,457	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	22,986	36,468	44,808	No	No	No	High school diploma or equivalent	No	No	Yes
49-9044	Millwrights	29,475	45,990	56,713	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	35,659	61,132	74,749	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	27,972	42,177	47,942	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers										
49-9062	Medical Equipment Repairers	25,167	47,163	59,004	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-9063	Musical Instrument Repairers and Tuners										
49-9064	Watch and Clock Repairers										
49-9069	Precision Instrument and Equipment Repairers, All Other										
49-9071	Maintenance and Repair Workers, General	20,646	31,242	37,351	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	41,279	67,592	82,118	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	17,918	28,265	34,176	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	31,106	46,155	46,879	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	24,021	37,641	46,320	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-9095	Manufactured Building and Mobile Home Installers	19,576	26,945	29,447	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	29,887	45,119	54,623	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	36,394	60,782	73,173	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	19,146	28,631	33,507	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	22,289	37,256	44,643	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-1011	First-Line Supervisors of Production and Operating Workers	30,162	51,828	59,970	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers										
51-2021	Coil Winders, Tapers, and Finishers	17,203	32,857	45,843	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	19,815	30,364	34,680	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	23,472	27,807	29,172	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	23,563	33,471	38,273	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	23,829	33,012	36,752	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	20,291	25,932	29,403	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	22,877	31,337	37,023	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	20,190	32,389	38,181	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	19,943	28,567	33,920	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	20,548	26,239	28,806	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	23,499	31,069	34,882	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,174	27,889	32,233	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	17,853	25,763	29,915	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	19,430	25,085	28,137	No	No	No	No formal educational credential	No	Yes	Yes
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	23,664	32,664	37,091	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	24,260	32,765	36,257	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	24,425	33,608	39,309	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,117	29,942	34,864	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30,730	50,545	61,717	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,346	30,061	35,019	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,162	34,946	41,087	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	31,005	40,839	46,347	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 6 Wages by Detailed Occupation

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	26,914	37,039	40,555	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	28,155	38,915	45,257	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4052	Pourers and Casters, Metal	24,076	38,007	45,559	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-4061	Model Makers, Metal and Plastic										
51-4062	Patternmakers, Metal and Plastic										
51-4071	Foundry Mold and Coremakers										
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	19,448	30,804	36,183	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	23,490	33,251	36,504	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	27,431	48,895	57,730	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	25,920	35,486	39,180	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	23,142	32,692	37,540	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	20,557	31,995	36,797	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	26,340	42,031	52,286	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	26,212	35,698	38,640	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	24,131	33,003	36,568	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	19,531	31,418	35,716	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	20,951	35,496	42,379	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-5112	Printing Press Operators	18,568	31,518	37,815	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	19,228	29,227	35,221	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,503	20,567	21,751	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	17,551	22,427	25,460	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	17,615	25,662	29,053	No	No	No	No formal educational credential	No	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	18,156	28,412	34,195	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders										
51-6051	Sewers, Hand	19,430	26,157	31,161	No	No	No	No formal educational credential	No	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	18,357	27,238	31,839	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders										
51-6062	Textile Cutting Machine Setters, Operators, and Tenders										
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders										
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	19,320	41,472	64,558	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	34,937	63,165	75,254	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers										
51-6093	Upholsterers	22,106	35,762	42,461	No	No	No	High school diploma or equivalent	No	No	Yes
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,148	25,259	30,859	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	22,995	34,323	40,693	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	18,248	33,837	41,939	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	19,943	28,210	31,372	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	19,466	30,190	35,863	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	20,933	37,430	52,103	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-8011	Nuclear Power Reactor Operators										
51-8012	Power Distributors and Dispatchers	46,595	74,585	93,501	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	41,279	67,592	82,118	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	35,789	53,432	60,306	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	20,581	37,802	47,198	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-8091	Chemical Plant and System Operators	29,209	47,631	57,978	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-8092	Gas Plant Operators	30,336	43,955	52,800	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers										
51-8099	Plant and System Operators, All Other	35,918	54,908	58,812	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	24,526	40,986	51,837	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	22,619	35,175	42,370	No	No	No	High school diploma or equivalent	No	No	Yes
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	21,904	33,021	38,044	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,134	30,758	34,854	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	21,415	31,551	39,407	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	19,247	32,490	38,722	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	21,483	31,977	37,549	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	21,859	31,152	35,386	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,098	30,208	34,772	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	21,911	29,453	34,202	No	No	No	Postsecondary nondegree award	No	No	No
51-9071	Jewelers and Precious Stone and Metal Workers	22,408	41,462	52,891	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	20,273	38,832	47,475	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	23,444	42,296	49,702	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	20,227	31,418	35,459	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	18,064	27,559	32,554	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,073	30,107	38,823	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	24,104	36,678	41,820	No	No	No	High school diploma or equivalent	No	No	No
51-9141	Semiconductor Processing Technicians										

Workforce Region 6 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	22,170	38,520	46,164	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9161	Computer Numerically Controlled Tool Operators	24,260	36,403	43,185	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9162	Computer Numerically Controlled Tool Programmers	32,536	49,894	58,546	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	19,778	31,793	38,530	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	21,941	31,803	36,532	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	19,897	34,048	42,067	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,129	24,489	30,437	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	21,950	31,115	35,294	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	23,582	33,736	37,961	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	24,040	34,589	41,994	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	18,495	26,725	29,924	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	18,449	28,705	32,490	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	31,894	58,335	72,413	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	31,904	53,701	64,619	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers										
53-2012	Commercial Pilots	39,529	115,882	145,128	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	63,706	112,409	139,308	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	23,297	42,736	55,366	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants										
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,090	26,743	29,026	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	22,422	34,810	40,205	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	22,686	38,009	44,217	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	21,128	30,947	38,632	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	22,097	33,718	39,135	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	18,867	23,531	27,253	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	18,422	28,091	33,608	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	49,079	61,625	67,885	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers										
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers										
53-4031	Railroad Conductors and Yardmasters	49,528	62,230	70,836	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	20,520	38,667	54,495	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-4099	Rail Transportation Workers, All Other										
53-5011	Sailors and Marine Oilers	21,849	37,714	44,689	No	No	No	High school diploma or equivalent	No	Yes	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	20,493	74,337	96,938	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators										
53-5031	Ship Engineers										
53-6011	Bridge and Lock Tenders	23,545	36,605	44,945	No	No	No	High school diploma or equivalent	No	No	Yes
53-6021	Parking Attendants	17,468	22,638	26,001	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	18,504	25,479	28,641	No	No	No	No formal educational credential	No	Yes	Yes
53-6041	Traffic Technicians	26,404	43,873	50,921	No	Yes	Yes	Associate's degree	No	No	No
53-6051	Transportation Inspectors	48,235	84,758	112,253	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,230	22,537	24,296	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	20,667	30,428	35,652	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	18,339	31,134	37,347	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	32,811	55,961	68,023	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	31,289	44,157	51,269	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators										
53-7051	Industrial Truck and Tractor Operators	23,383	33,797	32,495	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	17,826	25,039	28,137	No	No	No	No formal educational credential	No	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,460	26,378	28,060	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	18,339	29,759	35,569	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,155	25,260	28,834	No	No	No	No formal educational credential	No	Yes	Yes
53-7065	Stockers and Order Fillers	19,777	26,629	30,706	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	18,605	37,329	44,469	No	No	No	High school diploma or equivalent	No	Yes	Yes
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	18,923	22,171	23,971	No	No	No	No formal educational credential	No	No	No
53-7121	Tank Car, Truck, and Ship Loaders										
53-7199	Material Moving Workers, All Other	20,841	39,052	49,683	No	No	Yes	No formal educational credential	Yes	Yes	Yes

Workforce Region 6 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	26,499	39,360	45,248	
1	No formal educational credential	19,432	24,631	26,967	74
2	High school diploma or equivalent	25,539	36,870	42,233	202
3	Some college, no degree	21,602	30,577	35,519	46
4	Postsecondary nondegree award	23,608	34,078	38,749	78
5	Associate's degree	28,798	45,016	52,601	61
6	Bachelor's degree	38,109	64,992	77,068	164
7	Master's degree	38,659	65,096	79,921	35
8	Doctoral or professional degree	59,678	100,801	114,540	50

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	443	267	343	367	327	383
No formal educational credential	56.8%	43.2%	25.7%	74.3%	25.7%	74.3%
High school diploma or equivalent	81.2%	18.8%	69.3%	30.7%	65.8%	34.2%
Some college, no degree	37.0%	63.0%	15.2%	84.8%	15.2%	84.8%
Postsecondary nondegree award	41.0%	59.0%	24.4%	75.6%	24.4%	75.6%
Associate's degree	44.3%	55.7%	24.6%	75.4%	26.2%	73.8%
Bachelor's degree	58.5%	41.5%	54.9%	45.1%	51.2%	48.8%
Master's degree	68.6%	31.4%	54.3%	45.7%	54.3%	45.7%
Doctoral or professional degree	82.0%	18.0%	68.0%	32.0%	60.0%	40.0%

Workforce Region 7 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	27,978	131,185	192,288	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1021	General and Operations Managers	35,938	74,057	91,891	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	19,821	114,466	129,137	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2011	Advertising and Promotions Managers	44,478	101,429	117,789	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	53,524	122,078	154,714	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	73,113	134,825	147,295	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	50,517	101,814	118,595	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	43,092	77,912	101,619	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	54,540	84,572	95,869	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	43,016	114,772	143,560	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	36,223	79,082	96,300	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	56,356	107,881	133,873	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	62,529	128,107	125,269	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	60,425	97,671	115,736	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	54,061	90,538	114,758	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	53,432	100,073	122,151	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	33,874	72,825	77,206	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-9021	Construction Managers	36,947	56,702	53,224	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9031	Education and Childcare Administrators, Preschool and Daycare	24,901	41,087	47,603	No	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	59,126	77,390	86,685	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	43,250	89,771	106,369	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9039	Education Administrators, All Other	43,099	61,681	75,035	Yes	Yes	Yes	Master's degree	No	No	No
11-9041	Architectural and Engineering Managers	93,952	136,702	149,759	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	28,170	46,036	59,519	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	42,223	80,670	88,717	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	44,488	64,477	76,343	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9111	Medical and Health Services Managers	42,298	91,662	110,789	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	47,539	86,444	106,873	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	65,759	81,009	89,368	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	20,530	33,115	37,101	No	No	No	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	37,686	65,511	78,526	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9161	Emergency Management Directors	44,340	75,905	91,916	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	38,612	75,089	91,879	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	37,521	81,802	101,865	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes										
13-1020	Buyers and Purchasing Agents	33,140	52,319	62,842	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	25,315	66,655	78,955	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	44,945	62,991	73,861	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	28,232	48,380	60,419	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	44,554	65,859	74,681	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
13-1071	Human Resources Specialists	27,035	48,016	58,251	No	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	17,349	53,991	73,210	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	29,736	51,180	59,962	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	31,153	47,983	56,783	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1121	Meeting, Convention, and Event Planners	23,380	46,137	56,145	No	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	25,387	51,269	63,816	No	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	31,683	52,717	61,662	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	23,112	40,228	48,265	No	No	No	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	18,792	50,417	65,260	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	27,851	56,810	67,015	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	33,155	52,253	60,919	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	41,034	49,737	56,173	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2031	Budget Analysts	41,527	68,123	81,963	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2041	Credit Analysts	42,058	76,097	90,798	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	28,439	94,262	115,855	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	31,674	64,265	81,660	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2061	Financial Examiners	42,214	76,418	92,163	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	30,455	46,063	48,804	Yes	Yes	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	31,505	63,681	87,448	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,323	36,130	42,233	Yes	No	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	17,652	43,167	55,971	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	31,659	41,888	44,753	Yes	No	No	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	43,763	80,615	97,176	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	47,521	87,242	110,622	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	66,969	109,953	128,447	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	31,528	60,516	74,127	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
15-1232	Computer User Support Specialists	27,074	44,215	43,435	No	Yes	No	Postsecondary nondegree award	Yes	Yes	No
15-1241	Computer Network Architects	55,577	99,184	120,712	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	42,036	60,604	68,479	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1245	Database Administrators and Architects	43,240	88,259	112,894	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	42,077	73,384	90,715	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	49,775	91,677	112,858	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	30,813	62,148	76,940	Yes	Yes	Yes	Associate's degree	No	Yes	Yes

Workforce Region 7 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	49,414	82,839	100,354	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2011	Actuaries										
15-2021	Mathematicians	64,549	96,764	109,430	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	32,701	64,742	82,384	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2041	Statisticians	27,046	66,245	87,342	No	Yes	Yes	Master's degree	No	No	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	47,291	85,170	108,559	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	42,791	76,729	93,208	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	39,336	66,245	83,383	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1021	Cartographers and Photogrammetrists	40,280	62,203	73,888	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	30,675	60,214	75,556	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
17-2011	Aerospace Engineers	61,186	100,393	119,667	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers										
17-2031	Bioengineers and Biomedical Engineers	57,135	83,521	100,274	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	45,862	89,533	113,215	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	46,228	81,651	98,872	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	58,280	94,042	113,976	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	54,248	90,953	111,061	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	60,883	93,804	109,430	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	37,934	75,107	92,539	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	43,130	76,546	94,922	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	48,996	79,158	94,867	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	44,423	73,604	87,993	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	46,705	88,140	107,423	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	47,062	82,210	102,465	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	67,372	108,275	132,535	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	78,892	99,504	112,390	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	67,812	147,291	181,091	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	45,355	77,113	91,767	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	30,261	57,795	74,987	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3012	Electrical and Electronics Drafters	21,437	47,887	59,435	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	32,545	55,650	68,206	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3019	Drafters, All Other	30,749	50,582	58,317	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	37,320	62,927	81,165	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	28,329	47,676	59,325	Yes	Yes	Yes	Associate's degree	No	No	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	29,383	55,219	68,792	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	30,419	48,703	56,521	Yes	Yes	Yes	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	24,883	40,079	47,979	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	31,473	50,243	59,655	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	28,769	50,710	65,374	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	33,053	39,859	45,534	Yes	No	No	Associate's degree	Yes	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	38,738	52,614	60,199	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists										
19-1012	Food Scientists and Technologists	29,420	53,313	67,097	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	29,181	66,226	89,881	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1021	Biochemists and Biophysicists	40,418	73,219	83,383	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	33,186	57,565	70,277	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	29,722	48,666	54,770	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	34,909	65,310	84,382	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1031	Conservation Scientists	31,005	63,761	79,690	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1032	Foresters	42,562	69,544	88,946	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1041	Epidemiologists	30,162	50,618	63,028	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	37,989	80,588	95,609	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	46,210	95,600	119,897	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	78,517	133,974	152,121	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	78,517	133,974	152,121	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	54,257	90,724	106,635	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	33,251	59,527	73,155	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	45,523	94,583	122,994	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	31,858	55,439	62,349	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	47,530	82,989	105,434	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	42,993	87,755	103,125	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	43,515	107,386	125,707	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	48,474	86,499	97,561	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	27,046	66,245	87,342	No	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	32,202	45,238	48,833	Yes	Yes	No	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	27,046	66,245	87,342	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	42,260	89,762	105,911	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists										
19-3051	Urban and Regional Planners	38,447	65,383	78,828	Yes	Yes	Yes	Master's degree	No	No	Yes
19-3091	Anthropologists and Archeologists	30,162	50,618	63,028	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	22,885	53,698	78,856	No	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	50,105	76,088	89,890	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	17,679	33,434	40,491	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	25,470	40,766	50,627	No	No	Yes	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	28,751	46,714	56,337	Yes	Yes	Yes	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	23,976	42,773	48,895	No	Yes	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	24,122	42,672	51,672	No	Yes	Yes	Associate's degree	No	No	No
19-4051	Nuclear Technicians	64,549	88,259	100,036	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	24,709	49,299	57,162	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	28,613	43,085	51,516	Yes	Yes	Yes	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	31,097	50,013	59,664	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	19,256	44,111	55,512	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	31,583	62,120	78,196	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-5012	Occupational Health and Safety Technicians	24,773	46,054	59,710	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	36,045	50,261	58,262	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	27,458	38,915	45,788	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	20,383	32,343	37,457	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	25,543	42,122	48,721	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	21,840	33,269	37,063	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	25,075	41,692	50,985	No	No	Yes	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	31,024	49,720	58,958	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	24,122	41,004	48,538	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	31,995	48,364	61,158	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	27,706	53,863	68,169	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	28,796	36,898	40,876	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	22,457	33,545	39,640	No	No	No	Some college, no degree	Yes	Yes	Yes
21-1094	Community Health Workers	24,131	38,484	45,339	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	26,084	39,116	45,633	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	31,068	42,710	43,706	Yes	Yes	No	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	23,481	42,901	51,681	No	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	17,991	39,868	52,855	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	50,528	69,643	77,037	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	27,788	47,062	53,239	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	35,606	94,005	115,122	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	23,407	65,328	92,411	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	133,873	172,100	156,996	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	29,988	47,750	56,878	Yes	Yes	Yes	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	30,914	48,153	56,301	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	24,443	53,120	56,750	No	Yes	Yes	Associate's degree	No	Yes	No
25-1011	Business Teachers, Postsecondary	54,532	100,054	117,669	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	42,791	90,587	113,380	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	39,116	76,244	100,623	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	24,306	83,117	103,720	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	49,638	101,457	124,277	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	50,811	95,838	116,652	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	38,805	82,549	101,081	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary										
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	43,763	87,214	108,046	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	47,988	80,707	95,325	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	21,474	68,957	80,945	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	44,753	86,829	109,714	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	53,377	85,317	96,407	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	39,785	73,696	89,515	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	54,532	100,054	117,669	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary										
25-1065	Political Science Teachers, Postsecondary	48,565	86,334	97,268	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	38,493	74,786	89,230	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	39,446	74,466	90,798	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	40,463	77,114	102,309	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	52,671	106,910	114,058	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	52,671	106,910	114,058	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	38,905	62,725	74,438	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary										
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	36,431	82,036	89,322	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	51,507	139,427	184,794	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	33,801	68,518	80,652	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	30,620	90,816	103,876	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	38,126	66,455	78,526	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	28,650	70,360	97,461	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	43,378	78,828	101,594	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	26,725	76,335	87,782	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	41,380	85,821	100,916	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	30,584	61,607	74,713	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	29,081	51,297	60,801	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	21,034	51,214	64,375	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	18,377	25,295	27,964	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	32,820	53,084	63,348	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	33,925	46,389	54,879	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	36,642	54,825	65,566	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	27,468	54,110	69,113	Yes	Yes	Yes	Bachelor's degree	No	No	No

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	33,983	46,144	54,912	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	33,981	45,286	51,383	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2051	Special Education Teachers, Preschool	29,374	57,006	72,513	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	33,673	42,418	48,347	Yes	Yes	No	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	37,595	54,651	64,146	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	38,291	57,794	69,232	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	25,680	47,502	57,749	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	33,967	40,613	45,271	Yes	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	18,165	37,851	49,271	No	No	No	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	17,313	27,147	28,549	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	32,377	46,700	56,106	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	25,048	39,914	46,494	No	No	No	Master's degree	No	No	No
25-4012	Curators	26,524	50,591	57,584	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	20,960	37,815	45,559	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	35,533	51,537	59,508	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	22,414	28,706	30,926	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	17,468	35,074	44,432	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	41,825	53,099	59,261	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	17,542	34,946	45,092	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	18,221	20,156	19,955	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	21,501	45,953	58,638	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	42,975	87,837	94,784	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	16,809	30,043	36,073	No	No	No	Some college, no degree	No	No	Yes
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	17,615	43,460	58,189	No	Yes	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	39,116	60,315	71,689	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	27,843	78,544	96,022	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	36,550	61,946	72,330	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1022	Fashion Designers	29,685	57,345	66,318	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	19,796	29,154	33,645	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	23,622	42,126	49,485	No	No	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	22,445	48,859	57,978	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	19,375	31,986	35,322	No	No	No	Some college, no degree	No	Yes	Yes
27-1027	Set and Exhibit Designers	20,722	45,101	56,007	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	29,420	53,808	61,717	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors										
27-2012	Producers and Directors	30,144	67,106	79,296	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-2021	Athletes and Sports Competitors	17,157	65,072	76,546	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	18,128	41,756	49,014	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	17,175	36,046	43,021	No	No	No	Some college, no degree	No	Yes	Yes
27-2031	Dancers	18,453	50,708	74,461	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers										
27-2041	Music Directors and Composers	17,267	60,553	70,424	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	17,367	82,239	115,294	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	17,368	23,856	27,761	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,248	54,587	67,079	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	26,395	58,097	67,390	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	36,481	68,755	81,064	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-3041	Editors	22,573	50,857	59,444	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	31,528	57,410	70,699	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	26,047	62,533	65,429	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	21,373	50,078	64,063	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	17,771	46,879	77,041	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	17,542	41,197	51,269	No	No	Yes	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	25,030	45,724	56,172	No	Yes	Yes	Associate's degree	No	No	No
27-4012	Broadcast Technicians	20,218	42,828	52,286	No	Yes	Yes	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	21,639	51,791	59,490	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	17,588	33,535	37,100	No	No	No	Some college, no degree	No	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	21,464	45,697	56,823	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	29,218	49,473	59,609	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	22,665	74,475	96,691	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	31,922	77,673	87,883	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	82,082	165,813	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	58,509	215,368	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	82,082	165,813	190,632	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists										
29-1029	Dentists, All Other Specialists	52,488	160,672	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	28,134	64,351	80,206	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
29-1041	Optometrists	41,444	97,561	122,884	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	91,173	124,619	150,253	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1071	Physician Assistants	53,960	80,057	98,503	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	49,363	121,629	166,785	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1122	Occupational Therapists	48,769	82,116	89,521	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	68,567	97,483	103,862	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1124	Radiation Therapists	52,900	77,756	90,220	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 7 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
29-1125	Recreational Therapists	25,882	46,842	55,852	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	42,535	55,127	60,562	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	39,510	60,433	68,274	Yes	Yes	Yes	Master's degree	No	No	No
29-1128	Exercise Physiologists	32,563	49,628	60,938	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	29,108	47,218	55,265	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	53,954	103,271	115,488	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	47,677	67,274	78,363	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
29-1151	Nurse Anesthetists	124,497	162,001	166,959	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,071	61,891	90,752	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	59,435	96,809	115,921	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	40,528	67,601	76,335	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	124,809	248,775	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	86,912	187,323	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	46,723	192,181	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	114,306	225,065	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	53,918	145,054	180,752	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	42,975	184,702	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	88,572	169,785	229,306	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1248	Surgeons, Except Ophthalmologists	47,667	224,387	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	48,430	65,057	78,710	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	19,861	61,717	74,401	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	41,844	58,202	70,119	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	23,930	45,413	62,267	No	Yes	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	43,992	62,331	72,257	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	52,827	69,865	78,801	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	42,367	54,134	62,222	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	43,222	61,314	71,579	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	23,954	30,977	35,352	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	18,981	27,385	29,640	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	24,852	35,042	41,512	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	20,823	30,345	34,653	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	29,658	42,810	50,013	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	22,188	32,545	36,972	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	25,103	37,531	44,249	No	No	No	Postsecondary nondegree award	Yes	No	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	34,177	43,322	48,765	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	23,439	37,028	47,134	No	No	No	Postsecondary nondegree award	No	No	Yes
29-2091	Orthotists and Prosthetists	34,039	70,076	82,769	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-2092	Hearing Aid Specialists	26,670	58,060	67,069	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	26,099	36,962	42,818	No	No	No	Postsecondary nondegree award	Yes	No	No
29-9091	Athletic Trainers	30,519	44,771	50,838	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors										
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	26,359	54,293	67,674	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	18,413	22,325	24,359	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	20,678	26,460	29,236	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	19,485	25,964	28,531	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	23,435	27,513	29,328	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	46,742	61,900	71,918	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides										
31-2021	Physical Therapist Assistants	45,647	62,232	66,606	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	17,863	25,983	29,557	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	19,312	38,181	53,427	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	31,667	47,524	57,051	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	21,553	28,608	31,809	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	22,143	31,308	35,908	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	18,843	31,069	35,734	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	19,732	29,869	35,689	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	19,338	27,477	32,151	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	24,287	31,812	35,872	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	24,590	31,894	35,982	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	31,482	43,910	45,284	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	47,298	64,177	69,158	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	34,197	59,620	75,412	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	24,663	44,019	54,495	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	22,203	33,456	37,193	No	No	No	Postsecondary nondegree award	No	No	No
33-2021	Fire Inspectors and Investigators	40,253	56,768	61,076	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	27,174	32,123	35,093	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-3011	Bailiffs	30,135	42,837	49,628	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	28,192	41,737	49,693	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	34,294	45,199	51,166	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	19,439	26,084	28,173	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	25,314	39,300	46,091	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	34,363	43,240	46,208	Yes	Yes	No	Associate's degree	Yes	No	No
33-3052	Transit and Railroad Police	41,252	59,426	70,552	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	24,865	35,533	40,170	No	No	No	Postsecondary nondegree award	No	No	No

Workforce Region 7 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	30,574	45,220	55,109	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	22,940	31,839	36,083	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	21,740	30,653	35,350	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	19,063	25,772	28,751	No	No	No	No formal educational credential	No	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	17,798	26,423	29,026	No	No	No	No formal educational credential	No	Yes	No
33-9093	Transportation Security Screeners	32,820	38,924	41,554	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	18,990	32,023	36,816	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	53,878	72,992	78,935	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	19,347	28,679	33,747	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,798	20,258	20,657	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	20,859	27,837	30,011	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2013	Cooks, Private Household	19,292	27,642	32,426	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	18,845	22,410	23,750	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	18,028	24,342	27,825	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	19,861	27,999	32,930	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	18,567	25,181	26,583	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,439	24,523	26,300	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,749	22,034	22,902	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,457	23,482	25,491	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	17,349	21,914	23,527	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	17,203	21,263	22,711	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	18,246	22,012	24,545	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	17,267	21,703	23,572	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	17,340	25,204	28,173	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	27,624	44,385	50,844	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	29,624	44,486	56,135	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	18,873	28,069	31,680	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	18,824	22,467	24,493	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	19,778	33,452	48,336	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	22,381	35,927	42,819	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	19,780	28,302	32,413	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	20,740	31,188	36,073	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	20,374	33,104	41,664	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	23,994	32,847	36,330	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	33,452	51,361	60,590	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	27,084	53,995	69,753	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	20,044	36,449	41,902	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	18,459	23,357	23,684	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	16,891	22,995	25,946	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners										
39-3019	Gambling Service Workers, All Other										
39-3021	Motion Picture Projectionists										
39-3031	Ushers, Lobby Attendants, and Ticket Takers	17,468	23,352	25,928	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,592	20,578	21,505	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants										
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	17,835	25,350	28,897	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	17,368	23,856	27,761	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	31,069	52,167	53,157	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	19,521	27,468	29,026	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	29,026	50,307	56,191	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-5011	Barbers	20,081	29,154	34,690	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	17,688	27,898	32,398	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance										
39-5092	Manicurists and Pedicurists	18,587	24,782	27,293	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	17,652	24,131	27,843	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,311	33,076	38,191	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	17,258	22,885	26,111	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	19,301	26,588	29,520	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	20,227	29,988	32,884	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	18,638	22,894	22,919	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	17,578	35,258	44,670	No	No	No	Postsecondary nondegree award	No	No	Yes
39-9032	Recreation Workers	20,618	29,144	31,452	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	19,091	28,686	34,259	No	No	No	Some college, no degree	No	No	Yes
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	17,267	25,864	28,631	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	26,462	37,467	42,049	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	62,082	87,961	104,096	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	18,814	21,930	23,776	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	17,404	26,230	32,426	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	21,032	26,219	29,245	No	No	No	No formal educational credential	Yes	No	No
41-2022	Parts Salespersons	20,892	32,810	37,954	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,017	27,007	30,188	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	20,291	51,883	67,161	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	25,167	56,429	60,187	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	32,472	71,166	77,637	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-3041	Travel Agents	18,321	37,036	45,541	No	No	No	Some college, no degree	No	Yes	Yes

Workforce Region 7 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	30,882	58,597	71,357	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	24,362	41,448	49,247	No	No	No	Bachelor's degree	No	No	No
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	25,771	58,472	70,322	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	18,972	35,963	45,229	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models										
41-9021	Real Estate Brokers	24,507	61,241	63,752	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	18,321	56,016	64,760	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	51,425	102,346	132,168	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	18,046	25,488	28,036	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,230	25,268	27,449	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	18,651	33,095	35,689	No	No	No	Some college, no degree	No	Yes	Yes
43-1011	First-Line Supervisors of Office and Administrative Support Workers	33,318	51,694	58,574	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	19,375	28,063	31,436	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	22,115	28,787	29,905	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	27,064	37,457	44,285	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	24,388	34,378	37,641	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	26,811	38,040	47,070	No	No	No	High school diploma or equivalent	Yes	No	Yes
43-3031	Bookkeeping, Accounting, and Auditing Clerks	24,810	38,367	46,198	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	18,183	25,625	28,961	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	26,991	40,463	46,943	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	26,243	40,025	47,586	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	24,810	32,078	35,899	No	No	No	High school diploma or equivalent	No	No	No
43-3099	Financial Clerks, All Other	28,082	42,929	50,188	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	32,398	49,775	59,463	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks										
43-4031	Court, Municipal, and License Clerks	25,350	37,580	41,957	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	26,084	39,703	45,550	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	19,329	33,442	39,987	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	24,581	33,223	39,629	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	23,858	30,973	34,737	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	20,540	24,577	25,711	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	21,945	34,084	38,802	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	18,367	26,056	29,126	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	23,921	39,739	47,649	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-4141	New Accounts Clerks	27,303	37,302	42,425	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	21,171	32,187	36,486	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	25,094	37,338	43,662	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	19,854	28,004	30,965	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	21,758	38,612	53,404	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
43-4199	Information and Record Clerks, All Other	31,218	44,626	49,308	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
43-5011	Cargo and Freight Agents	24,846	40,803	47,053	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-5021	Couriers and Messengers	19,671	34,077	45,390	No	No	No	High school diploma or equivalent	No	No	Yes
43-5031	Public Safety Telecommunicators	23,128	29,697	32,750	No	No	No	High school diploma or equivalent	No	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	21,458	29,555	31,739	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	24,150	38,411	45,385	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-5051	Postal Service Clerks	44,991	52,802	62,992	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,608	52,559	67,189	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	31,564	47,301	57,721	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	29,735	41,616	48,487	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	24,016	35,243	42,123	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	24,315	33,626	38,172	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	27,292	39,768	49,436	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	27,504	43,589	53,075	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	22,478	31,137	36,145	No	No	No	Some college, no degree	Yes	Yes	Yes
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	23,489	35,682	40,064	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	20,154	30,171	34,561	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	20,309	29,827	36,067	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	26,368	48,501	53,001	No	Yes	Yes	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	25,360	38,557	43,598	No	No	No	High school diploma or equivalent	Yes	Yes	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	18,862	28,998	34,130	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	19,261	30,788	35,254	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	18,660	30,602	35,569	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	24,388	38,795	51,434	No	No	Yes	Bachelor's degree	No	No	No
43-9111	Statistical Assistants										
43-9199	Office and Administrative Support Workers, All Other	19,129	32,972	39,576	No	No	No	Some college, no degree	No	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	28,686	51,104	56,264	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	18,797	34,195	43,259	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	20,044	36,449	41,902	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	23,499	31,069	34,882	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	21,244	30,749	35,148	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	17,404	22,546	23,426	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	19,228	29,548	37,870	No	No	No	No formal educational credential	No	Yes	Yes

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	19,179	34,220	45,390	No	No	No	No formal educational credential	No	Yes	Yes
45-3031	Fishing and Hunting Workers	19,228	29,548	37,870	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	33,214	37,925	41,206	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	25,130	34,424	37,751	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	25,916	34,086	39,417	No	No	No	High school diploma or equivalent	Yes	No	No
45-4023	Log Graders and Scalers	21,162	30,547	35,569	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,083	43,433	54,706	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	35,202	54,616	66,119	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	32,142	47,566	55,815	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	26,936	39,217	45,715	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2022	Stonemasons	30,162	36,248	39,941	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	26,627	38,961	40,125	No	No	No	Postsecondary nondegree award	Yes	Yes	No
47-2041	Carpet Installers	17,157	29,887	38,557	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,014	36,660	47,750	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	23,976	32,811	37,476	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	24,058	36,000	41,875	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	29,449	42,678	54,271	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	31,179	41,050	46,164	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	22,083	37,090	44,788	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	24,507	34,424	37,063	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators										
47-2073	Operating Engineers and Other Construction Equipment Operators	25,841	32,758	36,887	No	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	21,290	34,240	41,802	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	17,331	37,686	46,182	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	32,752	42,465	46,385	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	24,929	38,731	46,604	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	25,158	36,101	42,443	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	26,817	36,559	42,287	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	24,590	34,543	37,567	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	30,263	43,882	56,172	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	25,864	36,092	41,087	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	30,586	45,461	52,753	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	20,951	34,625	41,893	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	28,989	41,673	47,924	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	20,603	33,452	41,096	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	21,751	33,612	39,052	No	No	No	High school diploma or equivalent	No	No	No
47-2221	Structural Iron and Steel Workers	25,075	40,482	47,832	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	23,380	33,095	37,017	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20,355	27,953	32,737	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	20,502	29,768	34,818	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	20,841	28,604	32,967	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	18,972	25,873	30,144	No	No	No	No formal educational credential	No	No	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	21,400	28,677	32,197	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	22,638	31,344	35,881	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	21,134	28,952	33,306	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	32,948	56,026	68,288	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	37,971	71,175	89,615	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	23,582	35,276	43,332	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	24,764	36,477	43,259	No	No	No	High school diploma or equivalent	No	No	No
47-4051	Highway Maintenance Workers	21,180	32,554	37,329	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	31,390	44,129	50,600	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	23,637	35,074	37,870	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	25,075	35,661	40,344	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	31,500	41,490	46,961	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas										
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	24,012	37,806	43,827	No	No	No	High school diploma or equivalent	No	No	No
47-5041	Continuous Mining Machine Operators										
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining										
47-5051	Rock Splitters, Quarry										
47-5071	Roustabouts, Oil and Gas	31,500	41,490	46,961	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	21,721	31,436	36,761	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	24,251	42,031	48,868	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other										
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	35,697	57,938	66,485	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	22,738	36,064	43,598	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	28,732	52,928	67,519	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	31,289	52,515	67,033	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	31,225	53,991	65,603	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	25,946	39,749	47,035	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	30,996	50,481	63,587	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	32,160	50,307	59,261	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	38,915	65,805	83,566	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	23,407	34,873	41,609	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	22,243	40,326	51,187	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	26,001	41,453	50,233	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	31,482	62,432	81,239	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-3021	Automotive Body and Related Repairers	26,841	39,888	48,266	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	20,053	34,369	39,629	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	23,805	36,730	40,602	No	No	No	Postsecondary nondegree award	No	No	No
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	29,512	40,101	45,891	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	24,361	38,960	47,236	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	31,791	44,677	51,881	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	33,526	51,416	58,317	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	25,909	45,917	58,024	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	23,517	33,801	39,785	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	27,562	35,830	39,867	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	20,484	27,577	31,372	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	25,085	44,019	55,595	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	19,329	28,751	33,984	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	22,298	36,953	43,470	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	28,925	46,540	55,173	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	32,737	39,328	43,972	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9031	Home Appliance Repairers	24,269	37,173	44,441	No	No	No	Postsecondary nondegree award	No	No	Yes
49-9041	Industrial Machinery Mechanics	32,694	52,624	69,892	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	31,680	37,855	42,336	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-9044	Millwrights	29,475	45,990	56,713	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	31,170	54,623	71,020	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	27,972	42,177	47,942	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	17,826	38,071	50,398	No	No	Yes	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	25,167	47,163	59,004	No	Yes	Yes	Associate's degree	No	No	Yes
49-9063	Musical Instrument Repairers and Tuners	21,767	32,371	36,898	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers										
49-9069	Precision Instrument and Equipment Repairers, All Other	35,175	52,140	59,756	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	20,374	35,172	42,721	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	41,279	67,592	82,118	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	17,918	28,265	34,176	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	31,106	46,155	46,879	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	24,021	37,641	46,320	No	No	No	High school diploma or equivalent	No	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	22,112	28,886	31,673	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	29,887	45,119	54,623	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	36,394	60,782	73,173	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	26,716	31,844	36,003	No	No	No	High school diploma or equivalent	Yes	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	22,289	37,256	44,643	No	No	No	High school diploma or equivalent	No	No	Yes
51-1011	First-Line Supervisors of Production and Operating Workers	34,881	54,000	63,773	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	17,661	37,870	48,932	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	17,203	32,857	45,843	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	19,815	30,364	34,680	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	23,472	27,807	29,172	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	23,563	33,471	38,273	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	23,829	33,012	36,752	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	20,786	28,572	33,531	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	19,292	27,642	32,426	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	19,280	25,393	29,367	No	No	No	No formal educational credential	No	No	No
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	19,943	28,567	33,920	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	20,548	26,239	28,806	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	23,499	31,069	34,882	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,174	27,889	32,233	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	17,853	25,763	29,915	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	19,430	25,085	28,137	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	23,664	32,664	37,091	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	24,260	32,765	36,257	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	24,425	33,608	39,309	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,117	29,942	34,864	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30,730	50,545	61,717	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,346	30,061	35,019	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,162	34,946	41,087	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	31,005	40,839	46,347	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 7 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	25,259	39,923	47,722	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	28,155	38,915	45,257	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4052	Pourers and Casters, Metal	24,076	38,007	45,559	No	No	No	High school diploma or equivalent	No	No	Yes
51-4061	Model Makers, Metal and Plastic										
51-4062	Patternmakers, Metal and Plastic										
51-4071	Foundry Mold and Coremakers										
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	19,448	30,804	36,183	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	32,828	41,496	40,393	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4111	Tool and Die Makers	27,431	48,895	57,730	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	28,067	41,975	39,446	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	23,142	32,692	37,540	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	20,557	31,995	36,797	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	26,340	42,031	52,286	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	26,212	35,698	38,640	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	24,131	33,003	36,568	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	19,531	31,418	35,716	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	20,951	35,496	42,379	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	18,568	31,518	37,815	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	19,228	29,227	35,221	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,535	23,121	25,666	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	17,551	22,427	25,460	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	17,615	25,662	29,053	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	18,156	28,412	34,195	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders										
51-6051	Sewers, Hand	19,430	26,157	31,161	No	No	No	No formal educational credential	No	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	18,357	27,238	31,839	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders										
51-6062	Textile Cutting Machine Setters, Operators, and Tenders										
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders										
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	19,320	41,472	64,558	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	34,937	63,165	75,254	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers										
51-6093	Upholsterers	22,106	35,762	42,461	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,148	25,259	30,859	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	22,995	34,323	40,693	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	18,248	33,837	41,939	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	19,488	26,942	30,137	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	20,390	30,039	34,810	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	20,933	37,430	52,103	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators										
51-8012	Power Distributors and Dispatchers	46,595	74,585	93,501	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	41,279	67,592	82,118	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	35,789	53,432	60,306	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	25,708	44,597	54,202	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	29,209	47,631	57,978	Yes	Yes	Yes	Associate's degree	No	No	Yes
51-8092	Gas Plant Operators	30,336	43,955	52,800	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	27,862	47,016	54,724	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	35,918	54,908	58,812	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	24,526	40,986	51,837	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	22,619	35,175	42,370	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	21,904	33,021	38,044	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,134	30,758	34,854	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	23,362	33,516	37,457	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	19,247	32,490	38,722	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	21,483	31,977	37,549	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	21,859	31,152	35,386	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,098	30,208	34,772	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	24,758	38,003	44,244	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	22,408	41,462	52,891	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	20,273	38,832	47,475	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	23,444	42,296	49,702	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	20,227	31,418	35,459	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	20,207	30,098	33,797	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,073	30,107	38,823	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	24,104	36,678	41,820	No	No	No	High school diploma or equivalent	No	No	No
51-9141	Semiconductor Processing Technicians										

Workforce Region 7 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	22,170	38,520	46,164	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9161	Computer Numerically Controlled Tool Operators	24,260	36,403	43,185	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	32,536	49,894	58,546	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	19,778	31,793	38,530	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	21,941	31,803	36,532	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	19,897	34,048	42,067	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,129	24,489	30,437	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	21,950	31,115	35,294	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	23,582	33,736	37,961	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders										
51-9198	Helpers--Production Workers	26,234	33,744	38,163	No	No	No	High school diploma or equivalent	Yes	No	No
51-9199	Production Workers, All Other	18,976	26,615	25,308	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	31,894	58,335	72,413	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	33,224	54,887	67,938	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	89,982	210,548	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	39,529	115,882	145,128	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	63,706	112,409	139,308	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	23,297	42,736	55,366	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	28,228	53,377	61,653	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,090	26,743	29,026	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,025	27,224	31,579	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	24,263	42,733	52,479	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	23,960	41,332	48,371	No	No	No	High school diploma or equivalent	No	Yes	Yes
53-3052	Bus Drivers, Transit and Intercity	22,097	33,718	39,135	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19,063	22,688	24,227	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	18,422	28,091	33,608	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	49,079	61,625	67,885	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	49,528	62,230	70,836	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	31,858	52,048	62,221	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	49,528	62,230	70,836	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	20,520	38,667	54,495	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-4099	Rail Transportation Workers, All Other	26,551	50,728	66,217	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	21,849	37,714	44,689	No	No	No	High school diploma or equivalent	No	No	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	20,493	74,337	96,938	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators										
53-5031	Ship Engineers	30,153	67,262	82,393	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	23,545	36,605	44,945	No	No	No	High school diploma or equivalent	No	No	Yes
53-6021	Parking Attendants	17,468	22,638	26,001	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	18,504	25,479	28,641	No	No	No	No formal educational credential	No	No	No
53-6041	Traffic Technicians	26,404	43,873	50,921	No	Yes	Yes	Associate's degree	No	No	No
53-6051	Transportation Inspectors	48,235	84,758	112,253	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,230	22,537	24,296	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	20,667	30,428	35,652	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	18,339	31,134	37,347	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	32,811	55,961	68,023	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators										
53-7041	Hoist and Winch Operators										
53-7051	Industrial Truck and Tractor Operators	25,265	36,951	36,470	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	20,590	28,965	35,534	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,288	34,210	40,779	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	18,339	29,759	35,569	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	17,954	23,252	24,058	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	20,517	27,688	30,509	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	18,605	37,329	44,469	No	No	No	High school diploma or equivalent	No	No	Yes
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	19,681	32,525	38,413	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders										
53-7199	Material Moving Workers, All Other	20,841	39,052	49,683	No	No	Yes	No formal educational credential	Yes	Yes	Yes

Workforce Region 7 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	27,155	42,378	49,383	
1	No formal educational credential	19,615	26,360	29,388	74
2	High school diploma or equivalent	25,038	38,368	44,289	209
3	Some college, no degree	21,962	30,604	33,456	46
4	Postsecondary nondegree award	24,872	37,567	44,196	80
5	Associate's degree	32,906	48,886	57,213	63
6	Bachelor's degree	36,066	62,771	75,325	168
7	Master's degree	43,348	67,740	78,757	36
8	Doctoral or professional degree	64,843	113,879	135,499	59

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	452	283	391	344	374	361
No formal educational credential	52.7%	47.3%	40.5%	59.5%	37.8%	62.2%
High school diploma or equivalent	72.7%	27.3%	72.7%	27.3%	69.4%	30.6%
Some college, no degree	32.6%	67.4%	10.9%	89.1%	6.5%	93.5%
Postsecondary nondegree award	46.3%	53.8%	32.5%	67.5%	33.8%	66.3%
Associate's degree	66.7%	33.3%	42.9%	57.1%	39.7%	60.3%
Bachelor's degree	54.8%	45.2%	51.2%	48.8%	51.2%	48.8%
Master's degree	75.0%	25.0%	66.7%	33.3%	52.8%	47.2%
Doctoral or professional degree	81.4%	18.6%	69.5%	30.5%	69.5%	30.5%

Workforce Region 8 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	49,814	195,054	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	42,483	107,619	137,420	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	19,592	74,128	103,513	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-2011	Advertising and Promotions Managers	41,585	112,602	147,565	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2021	Marketing Managers	63,856	142,874	193,287	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	37,969	125,111	164,460	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2030	Public Relations and Fundraising Managers	55,332	99,119	120,442	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	47,278	98,351	122,297	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	71,974	136,354	157,458	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	64,261	131,881	160,110	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	65,686	116,363	142,914	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	60,355	112,434	134,819	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	53,595	100,976	123,491	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	70,501	113,645	129,708	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	50,542	104,313	125,203	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	52,829	98,472	124,175	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	35,348	75,994	80,565	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9021	Construction Managers	53,214	94,006	110,019	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	35,198	48,036	54,428	Yes	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	51,895	79,817	93,100	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9033	Education Administrators, Postsecondary	52,982	93,732	110,714	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	50,703	76,623	90,050	Yes	Yes	Yes	Master's degree	No	No	No
11-9041	Architectural and Engineering Managers	62,411	132,350	160,622	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	27,996	51,032	57,012	No	Yes	No	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	44,060	84,181	92,578	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	53,770	67,083	71,356	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9111	Medical and Health Services Managers	55,457	108,138	120,486	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	51,712	91,563	114,462	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	71,527	95,234	105,030	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	19,441	55,229	65,371	No	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	42,556	66,008	75,763	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9161	Emergency Management Directors	47,539	101,901	144,771	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	45,075	70,515	78,187	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	47,782	104,691	132,916	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	32,632	81,828	98,402	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	38,898	67,267	82,151	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	40,635	68,003	84,946	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	46,901	65,732	77,075	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	35,491	69,290	92,066	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	42,815	61,373	71,292	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1071	Human Resources Specialists	36,705	58,714	72,373	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	55,336	79,544	94,692	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
13-1081	Logisticians	38,829	69,120	85,034	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	43,069	83,416	100,739	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	33,931	54,980	55,646	Yes	Yes	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	35,793	58,001	69,250	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	38,609	59,247	71,258	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	20,041	58,930	77,903	No	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	31,660	60,723	74,671	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	33,766	69,561	87,241	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	38,070	67,459	80,470	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	18,542	49,392	61,829	No	No	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	42,604	73,288	86,240	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	42,265	75,932	83,965	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2052	Personal Financial Advisors	37,068	91,488	116,437	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	36,217	73,713	88,961	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	50,236	92,597	112,518	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	32,533	48,711	52,713	Yes	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	33,809	66,410	84,583	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	27,541	45,340	53,335	No	No	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	22,595	38,002	49,290	No	No	No	Postsecondary nondegree award	No	No	No
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	43,080	79,532	88,894	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
15-1211	Computer Systems Analysts	45,007	78,777	95,761	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1212	Information Security Analysts	56,491	91,801	107,334	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	71,724	107,806	129,382	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	40,324	73,325	92,147	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	32,406	51,521	62,126	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	57,163	101,776	125,095	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	43,988	78,112	97,131	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
15-1245	Database Administrators and Architects	44,833	88,562	115,912	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	54,209	79,781	97,255	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	49,927	95,072	112,443	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	38,419	71,871	89,208	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 8 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	33,137	80,020	97,135	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2011	Actuaries	69,717	119,720	136,228	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	67,358	100,975	114,192	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	34,312	60,287	76,037	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2041	Statisticians	35,702	79,320	98,027	Yes	Yes	Yes	Master's degree	No	No	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	53,612	79,626	96,277	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	47,437	89,378	111,721	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	44,204	66,766	77,782	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1021	Cartographers and Photogrammetrists	55,489	75,022	90,990	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	33,756	62,269	79,282	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	62,350	95,809	113,990	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	41,822	77,151	95,399	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2031	Bioengineers and Biomedical Engineers	59,621	87,155	104,638	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	45,619	103,300	143,912	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	57,462	99,218	118,620	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	53,951	82,024	99,851	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	65,125	96,036	112,317	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	58,814	89,869	106,948	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	59,434	96,893	112,513	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	45,115	90,721	115,118	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	54,776	89,762	113,241	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	57,821	111,536	149,740	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	50,230	87,254	108,510	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	53,793	80,456	96,247	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	70,303	112,987	138,302	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	82,325	103,834	117,281	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	70,763	153,700	188,971	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	59,550	94,054	115,546	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	25,122	51,537	64,289	No	Yes	Yes	Associate's degree	No	No	Yes
17-3012	Electrical and Electronics Drafters	35,709	57,146	67,092	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3013	Mechanical Drafters	41,648	58,621	63,310	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
17-3019	Drafters, All Other	32,087	52,783	60,854	Yes	Yes	Yes	Associate's degree	No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	38,781	72,418	85,641	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	33,122	56,533	63,980	Yes	Yes	Yes	Associate's degree	No	Yes	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	59,964	80,184	93,005	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	31,742	50,822	58,980	Yes	Yes	Yes	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	26,344	34,194	37,396	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	35,916	60,178	74,688	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	38,061	70,508	88,908	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3031	Surveying and Mapping Technicians	26,805	42,799	51,001	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	41,875	73,940	86,961	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	39,766	61,964	74,177	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	30,700	55,633	70,017	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	30,451	69,108	93,792	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1021	Biochemists and Biophysicists	42,176	76,405	87,011	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	34,631	60,070	73,335	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	32,864	53,573	57,165	Yes	Yes	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	43,247	85,161	92,065	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
19-1031	Conservation Scientists	26,198	43,196	49,816	No	No	No	Bachelor's degree	No	No	No
19-1032	Foresters	44,414	72,570	92,817	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1041	Epidemiologists	31,474	52,821	65,770	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	36,851	86,644	98,977	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1099	Life Scientists, All Other	48,221	99,760	125,114	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	81,933	139,804	158,740	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
19-2012	Physicists	111,430	227,524	158,740	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	82,612	98,597	102,387	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	35,223	59,874	70,752	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	47,503	98,698	128,346	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	33,738	67,432	76,181	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	53,488	74,346	89,503	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-2043	Hydrologists	44,864	91,573	107,612	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	64,022	98,555	118,606	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	62,423	107,893	114,051	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	28,223	69,127	91,143	No	Yes	Yes	Master's degree	No	No	No
19-3031	Clinical, Counseling, and School Psychologists	24,982	65,939	83,614	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	28,223	69,127	91,143	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	90,073	124,773	124,029	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
19-3041	Sociologists	50,726	72,455	87,891	Yes	Yes	Yes	Master's degree	No	No	No
19-3051	Urban and Regional Planners	41,546	72,190	88,591	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	35,798	58,870	66,000	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	61,218	80,393	93,056	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	23,881	56,034	82,287	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists	59,917	95,284	109,840	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	58,645	79,701	89,523	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
19-4010	Agricultural and Food Science Technicians	31,052	42,841	50,090	Yes	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	29,118	42,804	48,567	No	No	No	Bachelor's degree	No	No	No

Workforce Region 8 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
19-4031	Chemical Technicians	32,919	54,882	64,041	Yes	Yes	Yes	Associate's degree	No	Yes	No
19-4042	Environmental Science and Protection Technicians, Including Health	29,705	46,078	56,212	No	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	25,172	44,529	53,921	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	67,358	92,099	104,389	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	28,362	43,398	52,314	No	No	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	29,858	44,959	53,758	No	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	32,474	50,478	61,965	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	28,451	49,125	60,799	No	No	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	34,756	67,030	84,386	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	30,658	55,331	71,255	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	33,344	54,849	64,457	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	29,659	38,899	40,599	No	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	26,424	36,708	40,692	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	25,598	35,864	40,943	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	27,741	38,337	43,456	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	29,571	41,637	47,349	No	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	32,097	54,187	65,395	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	26,414	41,164	49,790	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	34,615	48,900	50,717	Yes	No	No	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	27,303	47,046	56,709	No	No	No	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	30,049	38,504	42,655	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	21,337	34,608	41,880	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	26,198	41,888	49,172	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	26,768	39,107	46,947	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	31,312	54,186	62,142	Yes	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	19,854	37,278	48,253	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	18,774	41,603	55,154	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	60,648	127,875	155,486	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
23-1012	Judicial Law Clerks	28,997	49,110	55,556	No	No	No	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	32,636	68,322	97,307	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	24,426	68,171	96,432	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	139,698	179,589	163,828	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	30,015	50,698	61,043	Yes	Yes	Yes	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	31,755	64,798	91,028	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	27,314	64,022	68,299	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	36,762	77,838	107,183	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	44,653	94,529	118,314	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	40,818	79,561	105,001	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	25,363	86,734	108,234	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	51,798	105,871	129,685	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	53,022	100,009	121,728	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	61,809	121,371	139,964	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	66,028	108,214	127,275	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	45,667	91,009	112,748	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	50,076	84,219	99,473	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	22,408	71,958	84,467	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	46,700	90,607	114,488	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	55,700	89,029	100,602	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	41,516	76,903	93,410	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	56,905	104,408	122,790	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	50,229	83,607	98,478	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	50,679	90,091	101,501	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	40,168	78,041	93,113	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	41,163	77,706	94,749	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	42,224	80,470	106,761	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	41,225	74,145	96,388	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	55,554	82,126	97,844	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	40,598	65,455	77,677	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	41,976	67,913	80,039	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	38,016	85,606	93,209	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	53,749	145,494	192,835	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	35,271	71,499	84,161	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	31,953	94,768	108,396	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	39,785	69,347	81,943	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	28,727	70,325	73,610	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	45,265	82,258	106,015	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	27,888	79,657	91,602	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	43,181	89,555	105,307	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	40,598	65,455	77,677	Yes	Yes	Yes	Master's degree	No	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	31,914	64,288	77,964	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	35,334	58,189	63,719	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	23,753	50,957	61,794	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	19,678	30,145	33,784	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	41,725	61,729	70,623	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	41,674	64,550	76,326	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	40,399	60,523	70,562	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	28,663	56,465	72,121	No	Yes	Yes	Bachelor's degree	No	No	No

Workforce Region 8 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	40,652	63,936	75,804	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	45,308	65,148	75,678	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	30,652	59,487	75,669	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	40,813	61,106	73,391	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	42,380	60,044	67,677	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	27,911	57,897	80,425	No	Yes	Yes	Bachelor's degree	No	No	No
25-2059	Special Education Teachers, All Other	36,461	57,579	68,962	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	26,537	34,944	39,253	No	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	18,967	38,473	52,261	No	No	No	Some college, no degree	No	No	Yes
25-3031	Substitute Teachers, Short-Term	18,952	28,852	32,237	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	24,734	52,203	64,652	No	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	33,362	41,481	46,517	Yes	No	No	Master's degree	No	No	No
25-4012	Curators	36,312	50,847	58,536	Yes	Yes	No	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	21,872	39,460	47,542	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	40,338	58,572	64,626	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	25,333	45,361	52,561	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	25,317	48,888	64,190	No	No	Yes	Master's degree	No	No	No
25-9031	Instructional Coordinators	28,946	54,572	64,581	No	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	18,777	28,216	33,994	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	19,956	26,390	29,593	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	23,805	40,073	45,811	No	No	No	Bachelor's degree	No	No	No
27-1011	Art Directors	45,718	66,739	77,585	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1012	Craft Artists	17,540	31,350	37,643	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,382	45,352	60,721	No	No	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	40,463	59,363	68,949	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1019	Artists and Related Workers, All Other	29,055	81,962	100,200	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	42,288	67,535	80,073	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1022	Fashion Designers	30,977	59,841	69,204	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	21,464	29,844	36,097	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	32,531	53,482	63,686	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	19,110	46,164	61,848	No	No	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	25,813	37,481	42,844	No	No	No	Some college, no degree	Yes	No	No
27-1027	Set and Exhibit Designers	21,624	47,063	58,444	No	No	No	Bachelor's degree	No	No	No
27-1029	Designers, All Other	30,700	56,149	64,403	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	20,489	42,312	47,066	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	33,969	57,713	68,463	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	17,903	67,903	79,877	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	19,492	34,770	42,336	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	22,121	46,291	59,893	No	No	Yes	Some college, no degree	No	Yes	Yes
27-2031	Dancers	19,256	52,915	77,701	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	17,664	37,232	56,541	No	No	No	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	19,120	56,171	83,712	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,512	43,160	52,374	No	No	No	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,123	24,895	28,969	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	29,061	85,236	107,831	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-3023	News Analysts, Reporters, and Journalists	30,498	62,939	71,589	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	33,848	62,522	77,608	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	28,587	52,032	61,747	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	48,633	83,303	110,084	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-3043	Writers and Authors	33,111	61,201	50,916	Yes	Yes	No	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	31,527	50,549	65,357	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,544	48,919	80,393	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	31,214	42,242	49,990	Yes	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	21,063	43,334	50,489	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	19,008	44,667	52,822	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	22,580	54,045	62,079	No	Yes	Yes	Associate's degree	No	No	No
27-4021	Photographers	18,482	31,760	37,353	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	22,398	47,685	59,296	No	No	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	35,450	67,739	77,041	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	21,032	49,564	68,281	No	No	Yes	Associate's degree	No	No	Yes
29-1011	Chiropractors	37,165	90,194	82,284	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	58,017	152,947	207,130	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	61,055	224,740	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	85,653	173,028	198,927	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	76,769	205,497	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	54,772	167,663	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	44,811	67,959	74,686	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041	Optometrists	26,886	110,267	190,938	No	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1051	Pharmacists	62,569	116,020	132,912	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1071	Physician Assistants	69,814	108,882	133,689	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	41,344	104,375	124,246	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1122	Occupational Therapists	56,180	87,409	101,130	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	55,531	83,230	98,127	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	55,799	76,304	84,621	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 8 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
29-1125	Recreational Therapists	41,618	50,280	56,894	Yes	Yes	No	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	47,729	60,089	64,877	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	54,074	83,812	97,880	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	34,773	47,111	55,241	Yes	No	No	Master's degree	No	No	No
29-1129	Therapists, All Other	41,501	52,774	54,973	Yes	Yes	No	Bachelor's degree	No	No	No
29-1131	Veterinarians	64,286	97,893	115,771	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	49,840	67,734	76,336	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	134,185	169,530	183,031	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,945	64,584	94,701	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	78,520	102,731	117,931	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	26,886	41,207	39,358	No	No	No	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	130,240	259,600	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	110,424	202,995	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	54,702	290,116	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	111,468	249,808	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	56,264	151,366	188,617	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	141,691	234,820	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	124,699	250,699	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	49,741	234,151	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	42,075	62,508	74,461	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	19,268	63,940	85,669	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	29,572	53,111	66,399	No	Yes	Yes	Associate's degree	No	No	Yes
29-2031	Cardiovascular Technologists and Technicians	26,552	49,596	66,977	No	No	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	54,824	74,934	82,053	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	61,099	76,829	85,614	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	41,788	56,644	64,329	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	45,252	66,128	77,603	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	21,362	31,482	37,345	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	18,917	27,798	31,454	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	25,603	36,057	38,523	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	21,028	27,225	30,096	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	33,825	44,538	50,051	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
29-2056	Veterinary Technologists and Technicians	25,989	31,700	35,889	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	26,195	39,164	46,174	No	No	No	Postsecondary nondegree award	No	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	36,375	47,100	50,797	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
29-2081	Opticians, Dispensing	24,843	37,865	43,782	No	No	No	Postsecondary nondegree award	No	No	No
29-2091	Orthotists and Prosthetists	35,520	73,125	86,371	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	30,452	54,500	69,816	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	26,980	41,272	47,798	No	No	No	Postsecondary nondegree award	No	No	No
29-9091	Athletic Trainers	34,232	53,286	59,470	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	56,895	77,180	88,962	Yes	Yes	Yes	Master's degree	Yes	No	No
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	29,100	56,325	70,538	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	20,318	25,627	28,288	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,525	27,880	31,352	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	21,466	27,538	30,367	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	24,455	28,711	30,604	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	46,211	66,837	79,256	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	18,640	27,113	30,843	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	38,272	63,561	75,798	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	21,865	27,780	32,001	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	21,008	44,907	57,612	No	No	No	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	33,201	42,066	48,700	Yes	No	No	Postsecondary nondegree award	Yes	No	No
31-9092	Medical Assistants	27,476	35,449	39,637	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	23,680	34,625	40,241	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	27,454	44,212	50,996	No	No	No	Postsecondary nondegree award	No	Yes	No
31-9095	Pharmacy Aides	19,514	33,743	39,941	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	20,496	27,148	33,495	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	27,206	35,465	39,570	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	24,679	40,093	49,020	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	35,570	57,470	72,667	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	57,136	94,625	118,098	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	52,433	73,339	86,333	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	27,184	44,188	57,441	No	No	No	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	27,927	43,605	51,713	No	No	No	Postsecondary nondegree award	No	No	No
33-2021	Fire Inspectors and Investigators	36,598	53,161	61,197	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	28,357	33,521	36,620	No	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	21,465	33,993	39,023	No	No	No	High school diploma or equivalent	No	No	No
33-3012	Correctional Officers and Jailers	33,307	47,185	55,906	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	36,254	82,789	129,240	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	20,285	27,219	29,399	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	26,500	35,250	37,238	No	No	No	High school diploma or equivalent	No	No	No
33-3051	Police and Sheriff's Patrol Officers	39,319	59,707	73,035	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	43,047	62,012	73,622	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	28,844	36,082	38,923	No	No	No	Postsecondary nondegree award	Yes	No	No

Workforce Region 8 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	30,037	58,991	80,060	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	23,938	33,225	37,653	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	20,084	27,003	29,257	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	20,733	26,113	27,415	No	No	No	No formal educational credential	Yes	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	19,443	23,882	25,836	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	35,807	41,955	43,983	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	21,553	36,076	40,815	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	28,874	48,275	56,355	No	No	No	Associate's degree	No	No	No
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	21,727	34,622	41,441	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,586	21,271	23,109	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	19,222	26,694	30,451	No	No	No	No formal educational credential	No	No	Yes
35-2013	Cooks, Private Household	20,132	28,844	33,837	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	19,805	27,006	30,181	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	19,849	24,948	27,743	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	24,469	35,165	39,173	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	20,021	25,972	29,211	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,523	24,639	24,798	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,580	21,440	22,874	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,647	25,746	26,273	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	19,161	24,617	28,057	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,662	23,589	22,408	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	18,782	21,858	23,698	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,570	22,501	24,372	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	19,114	27,560	33,785	No	No	No	No formal educational credential	No	Yes	Yes
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	26,316	44,060	57,971	No	No	No	High school diploma or equivalent	No	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	34,748	51,977	60,120	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	18,928	25,076	27,054	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,552	26,014	28,681	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	20,639	34,908	50,439	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	23,451	37,470	43,024	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	23,026	30,435	34,478	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21,396	32,424	38,432	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	21,356	33,606	39,436	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	25,038	34,277	37,911	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	34,908	53,596	63,226	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	28,436	41,470	48,140	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	18,834	22,540	24,205	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	19,415	27,339	29,459	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	17,626	23,996	27,075	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,841	26,348	29,753	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,261	33,148	34,238	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	18,238	28,615	31,360	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	19,626	23,756	25,481	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,718	21,500	22,290	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	25,048	53,844	70,160	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	19,666	28,561	32,002	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,123	24,895	28,969	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	32,421	54,437	55,470	Yes	Yes	No	Associate's degree	No	No	No
39-4021	Funeral Attendants	21,787	29,072	30,913	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	37,232	52,506	54,343	Yes	Yes	No	Associate's degree	Yes	No	No
39-5011	Barbers	20,954	30,422	36,199	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	18,935	34,191	46,945	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	34,822	67,587	77,983	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	21,243	28,633	30,778	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	19,485	27,214	33,250	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	26,246	39,358	46,420	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	18,967	25,931	31,965	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	21,455	28,971	31,870	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	19,382	29,234	33,303	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,031	26,259	29,192	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	19,814	39,016	50,438	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	20,374	32,407	38,053	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	21,138	30,336	33,524	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	18,564	30,009	35,911	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	27,505	44,067	53,817	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	47,600	82,960	100,369	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,055	23,491	25,477	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,162	27,372	33,837	No	No	No	No formal educational credential	No	Yes	Yes
41-2021	Counter and Rental Clerks	19,590	32,980	39,655	No	No	No	No formal educational credential	No	Yes	Yes
41-2022	Parts Salespersons	20,433	32,568	36,377	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,449	26,885	30,165	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	20,094	49,577	62,667	No	No	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	29,975	64,101	72,825	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	35,909	66,376	73,390	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	20,942	36,283	46,211	No	No	No	Some college, no degree	No	No	Yes

Workforce Region 8 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	26,244	64,472	78,107	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	33,139	116,246	184,221	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	33,261	69,084	84,308	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	22,209	37,969	48,585	No	No	No	No formal educational credential	Yes	Yes	Yes
41-9012	Models	19,797	37,528	47,197	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	25,574	63,905	66,526	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	22,612	68,211	118,617	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	56,311	91,954	111,107	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	20,021	26,753	29,576	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,980	26,367	28,644	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,185	36,963	33,238	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	33,717	58,958	68,775	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	19,063	27,944	30,726	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	23,077	30,040	31,207	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	28,242	39,087	46,212	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	26,217	34,698	38,783	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	27,259	36,122	40,495	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	26,115	42,078	49,023	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	18,975	26,740	30,222	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	28,637	42,869	50,225	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	34,902	45,260	51,297	Yes	No	No	Associate's degree	No	No	No
43-3071	Tellers	27,959	34,630	38,631	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	32,240	48,214	56,031	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	33,774	51,599	68,702	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	28,003	40,044	46,566	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	26,992	37,300	42,797	No	No	No	Some college, no degree	Yes	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	24,896	42,230	49,666	No	No	No	Some college, no degree	No	Yes	Yes
43-4051	Customer Service Representatives	25,165	37,172	40,700	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	26,994	45,131	57,474	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4071	File Clerks	21,561	31,649	37,186	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	19,591	24,565	27,692	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	23,929	34,950	38,967	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	20,220	32,200	34,780	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	34,263	46,282	52,919	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	33,491	42,917	49,037	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	24,197	34,226	36,556	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	29,315	40,139	46,204	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	20,419	30,318	34,807	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	28,365	45,623	60,806	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-4199	Information and Record Clerks, All Other	31,152	42,969	49,768	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5011	Cargo and Freight Agents	26,458	44,858	52,863	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-5021	Couriers and Messengers	22,936	29,048	31,579	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	28,925	42,094	47,016	No	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	27,323	40,355	47,703	No	No	No	High school diploma or equivalent	Yes	No	No
43-5041	Meter Readers, Utilities	23,269	55,474	75,562	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
43-5051	Postal Service Clerks	37,757	49,405	62,991	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,608	54,713	65,037	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	34,441	52,459	62,984	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	27,712	46,812	58,898	No	No	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	22,321	36,707	44,216	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	27,184	38,258	45,844	No	No	No	High school diploma or equivalent	Yes	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	30,189	52,258	65,193	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	28,840	45,647	55,271	No	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	26,633	35,113	39,314	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	24,403	37,902	44,330	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	21,545	31,032	36,620	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	18,617	26,681	31,575	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	29,619	37,893	40,798	No	No	No	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	29,043	43,247	46,780	No	No	No	High school diploma or equivalent	Yes	Yes	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	18,756	27,402	31,399	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	19,555	34,986	40,364	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	22,716	35,085	39,488	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	25,449	40,484	53,672	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	31,369	52,897	64,814	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	27,744	41,929	49,042	No	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	35,861	58,030	77,735	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	19,615	35,683	45,141	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	20,916	38,035	43,726	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	24,522	32,421	36,400	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	22,169	32,087	36,677	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	18,374	22,595	24,961	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	20,065	30,834	39,518	No	No	No	No formal educational credential	No	Yes	Yes

Workforce Region 8 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	18,802	27,735	28,022	No	No	No	No formal educational credential	No	Yes	No
45-3031	Fishing and Hunting Workers	20,065	30,834	39,518	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	34,659	39,575	42,999	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	26,224	35,922	39,393	No	No	No	High school diploma or equivalent	No	No	No
45-4022	Logging Equipment Operators	30,774	45,390	55,450	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
45-4023	Log Graders and Scalers	32,351	38,630	42,829	Yes	No	No	High school diploma or equivalent	Yes	No	No
45-4029	Logging Workers, All Other	18,869	45,323	57,086	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	37,476	64,321	74,161	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	33,540	49,636	58,244	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	33,036	40,154	46,014	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2022	Stonemasons	31,474	37,825	41,679	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	24,231	39,527	48,146	No	No	No	Postsecondary nondegree award	No	No	No
47-2041	Carpet Installers	17,903	31,188	40,235	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,972	38,255	49,827	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	25,019	34,238	39,106	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	31,492	38,781	43,041	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	19,265	37,487	44,240	No	No	No	No formal educational credential	No	Yes	Yes
47-2053	Terrazzo Workers and Finishers	32,536	42,836	48,173	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2061	Construction Laborers	21,704	35,025	39,291	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	26,744	34,966	39,599	No	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	32,201	48,441	57,708	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	22,201	38,843	45,645	No	No	No	High school diploma or equivalent	No	No	No
47-2081	Drywall and Ceiling Tile Installers	19,852	33,028	44,780	No	No	No	No formal educational credential	No	Yes	Yes
47-2082	Tapers	18,085	39,326	48,192	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	33,586	44,463	49,925	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
47-2121	Glaziers	31,141	45,664	49,804	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	31,936	42,483	48,880	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	26,625	36,823	43,376	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	27,963	36,660	39,757	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	31,580	45,791	58,617	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	28,014	37,537	41,354	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	26,034	46,577	49,574	No	No	No	Postsecondary nondegree award	No	Yes	No
47-2161	Plasterers and Stucco Masons	34,029	48,286	50,265	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	30,250	43,487	50,009	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2181	Roofers	22,110	31,988	36,513	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	24,032	45,734	56,889	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2221	Structural Iron and Steel Workers	41,728	50,255	54,937	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	24,397	34,535	38,628	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	21,241	29,170	34,162	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	23,745	32,995	37,515	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	21,897	29,439	33,890	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	21,711	30,453	36,705	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	23,166	29,987	33,172	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	23,623	32,708	37,442	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	24,455	32,454	37,616	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	35,797	53,391	63,073	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	39,623	74,272	93,515	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	26,836	35,143	38,406	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	27,786	38,158	45,467	No	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	26,196	34,824	39,909	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	32,756	46,050	52,802	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	26,047	30,276	31,466	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	28,852	38,715	43,909	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	22,666	32,804	38,360	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	32,871	43,295	49,005	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	23,852	51,845	67,014	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	32,434	39,129	43,596	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-5041	Continuous Mining Machine Operators	34,717	55,250	65,914	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	34,717	55,250	65,914	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	29,332	35,864	38,064	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	32,871	43,295	49,005	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	22,666	32,804	38,360	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	32,271	43,044	50,203	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	34,114	54,313	69,653	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	35,994	63,668	77,010	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	26,819	41,336	51,761	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	29,983	55,231	70,457	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	34,145	62,282	77,293	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	38,239	58,163	69,443	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	29,272	39,135	40,426	No	No	No	High school diploma or equivalent	Yes	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	32,345	52,677	66,354	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 8 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	43,686	58,477	64,566	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	54,858	66,612	66,526	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	22,760	36,268	46,545	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	23,211	42,081	53,414	No	No	No	Postsecondary nondegree award	No	No	Yes
49-2098	Security and Fire Alarm Systems Installers	28,578	46,435	58,158	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	41,257	58,388	66,834	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	19,305	39,808	49,543	No	No	No	Postsecondary nondegree award	No	No	No
49-3022	Automotive Glass Installers and Repairers	20,926	35,864	41,354	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	22,405	42,499	53,385	No	No	No	Postsecondary nondegree award	No	No	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	31,660	47,096	56,709	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	25,421	40,656	49,292	No	No	No	High school diploma or equivalent	No	No	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	35,083	48,373	55,991	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	34,984	53,653	60,854	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	23,669	35,799	44,600	No	No	No	Postsecondary nondegree award	No	No	No
49-3052	Motorcycle Mechanics	24,541	35,271	41,516	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	28,678	38,497	44,536	No	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	21,375	28,777	32,737	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	25,141	45,379	59,891	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-3093	Tire Repairers and Changers	20,987	31,094	37,706	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	23,269	38,561	45,361	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	36,590	51,034	59,019	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	32,596	49,235	59,393	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	19,259	33,165	40,245	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	33,008	50,421	60,118	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	18,998	38,183	51,111	No	No	No	High school diploma or equivalent	No	No	Yes
49-9044	Millwrights	42,102	57,511	67,985	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	22,905	32,469	36,830	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	38,841	67,206	86,907	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	49,361	64,023	68,618	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	18,602	39,728	52,591	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	33,576	61,620	81,994	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-9063	Musical Instrument Repairers and Tuners	22,714	33,779	38,504	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,983	41,899	52,037	No	No	No	High school diploma or equivalent	No	No	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	49,518	58,936	66,293	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	25,957	41,185	49,776	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	43,075	70,533	85,692	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	19,178	29,771	39,432	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	37,339	46,027	50,209	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9094	Locksmiths and Safe Repairers	27,865	42,053	55,468	No	No	No	High school diploma or equivalent	Yes	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	20,428	28,118	30,728	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	37,947	55,876	65,870	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	37,978	63,427	76,357	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	21,739	33,081	38,956	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	26,466	43,497	50,574	No	No	No	High school diploma or equivalent	No	Yes	No
51-1011	First-Line Supervisors of Production and Operating Workers	30,720	59,416	74,228	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	18,598	37,416	56,511	No	No	No	Postsecondary nondegree award	No	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	17,951	34,286	47,838	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	25,635	36,034	40,164	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	24,493	29,017	30,442	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	24,621	37,235	45,088	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	23,930	34,437	40,015	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	20,504	32,738	38,486	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	21,893	29,936	33,663	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	26,606	39,718	49,282	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	21,489	30,591	35,822	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	21,442	27,381	30,059	No	No	No	No formal educational credential	Yes	Yes	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	24,522	32,421	36,400	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	20,003	28,662	30,885	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	18,630	26,884	31,216	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,275	26,176	29,361	No	No	No	No formal educational credential	Yes	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	25,633	34,516	39,422	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	25,315	34,191	37,834	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	25,488	35,070	41,019	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	24,023	33,269	38,297	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	32,067	52,744	64,403	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,187	33,269	40,044	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,083	36,467	42,875	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	32,354	42,616	48,364	Yes	No	No	Postsecondary nondegree award	Yes	No	No

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	26,041	42,801	52,753	No	No	No	Postsecondary nondegree award	No	No	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	29,380	40,608	47,226	No	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	25,124	39,661	47,542	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	32,067	52,744	64,403	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	28,624	51,023	60,242	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	20,562	36,113	45,830	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	22,230	34,988	39,694	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	28,030	34,460	38,059	No	No	No	High school diploma or equivalent	Yes	No	No
51-4111	Tool and Die Makers	35,110	50,869	60,824	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	28,687	46,468	49,879	No	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	25,869	36,942	42,590	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	26,812	35,951	41,932	No	No	No	High school diploma or equivalent	Yes	No	No
51-4192	Layout Workers, Metal and Plastic	27,486	43,860	54,561	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	27,352	37,251	40,321	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,181	34,439	38,160	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	20,380	32,785	37,270	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	37,584	54,034	58,903	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-5112	Printing Press Operators	19,716	31,468	37,256	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	19,729	30,211	36,958	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	19,798	24,593	27,224	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	18,692	24,039	28,116	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	23,500	30,576	34,748	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	18,946	29,648	35,683	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,238	28,558	34,458	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,275	27,295	32,517	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	23,586	33,655	40,515	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	24,675	29,753	33,837	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20,256	30,021	35,233	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18,238	25,296	28,806	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,160	43,276	67,367	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	36,457	65,914	78,528	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	18,009	28,318	30,126	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	22,886	38,908	47,803	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,894	26,358	32,201	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	25,701	33,281	38,125	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	26,885	40,423	52,695	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-7031	Model Makers, Wood	28,624	51,023	60,242	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood	32,067	52,744	64,403	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	22,303	29,603	32,323	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	29,080	37,120	40,949	No	No	No	High school diploma or equivalent	Yes	No	No
51-7099	Woodworkers, All Other	21,844	39,059	54,370	No	No	No	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	67,358	92,099	104,389	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	48,622	77,830	97,570	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	60,784	78,081	87,486	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	53,496	61,979	65,730	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	35,372	60,053	74,596	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	30,480	49,703	60,501	Yes	No	Yes	Associate's degree	No	No	No
51-8092	Gas Plant Operators	31,656	45,868	55,097	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	44,540	53,396	59,030	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	28,675	68,788	94,908	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	22,431	40,893	49,410	No	No	No	High school diploma or equivalent	No	No	No
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	26,854	40,832	48,794	No	No	No	High school diploma or equivalent	Yes	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	27,722	40,217	47,085	No	No	No	High school diploma or equivalent	Yes	No	No
51-9022	Grinding and Polishing Workers, Hand	22,054	32,096	36,371	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	25,645	34,255	38,797	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	20,084	33,904	40,407	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	27,813	40,143	48,071	No	No	No	High school diploma or equivalent	Yes	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	26,363	35,025	44,328	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	28,240	34,732	38,825	No	No	No	High school diploma or equivalent	Yes	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	26,889	46,562	57,878	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	19,332	31,409	37,705	No	No	No	High school diploma or equivalent	No	No	No
51-9081	Dental Laboratory Technicians	28,101	47,071	54,423	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9082	Medical Appliance Technicians	29,770	56,233	71,982	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	24,287	34,652	38,880	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	20,493	30,391	34,696	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	20,318	26,003	25,050	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	25,521	38,554	45,278	No	No	No	High school diploma or equivalent	No	No	No
51-9141	Semiconductor Processing Technicians	27,152	39,996	46,891	No	No	No	High school diploma or equivalent	Yes	No	No

Workforce Region 8 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	27,774	46,675	62,625	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9161	Computer Numerically Controlled Tool Operators	33,962	48,366	57,620	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9162	Computer Numerically Controlled Tool Programmers	38,269	53,308	61,665	Yes	Yes	Yes	Associate's degree	Yes	No	No
51-9191	Adhesive Bonding Machine Operators and Tenders	20,639	33,177	40,206	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,896	33,186	38,121	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	20,763	35,530	43,898	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,875	25,554	31,761	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	26,668	36,737	41,374	No	No	No	High school diploma or equivalent	Yes	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	26,385	35,981	41,696	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	25,086	36,094	43,821	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	19,924	29,275	32,958	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	20,878	31,727	36,222	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	26,903	50,271	76,571	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	34,902	57,824	70,238	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	79,270	92,085	103,381	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
53-2012	Commercial Pilots	69,822	105,841	128,847	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	75,919	135,209	156,897	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	33,492	55,049	66,629	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	29,457	55,700	64,336	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,860	25,371	27,284	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,747	25,392	31,480	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	26,458	45,016	54,538	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	20,990	38,943	48,081	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	20,748	32,923	40,631	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19,851	29,020	32,237	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,100	26,287	27,160	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	51,214	64,307	70,839	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	51,683	64,938	73,919	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	33,244	54,313	64,929	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	51,683	64,938	73,919	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	21,413	40,350	56,866	No	No	No	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	27,706	52,936	69,098	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	25,974	45,212	66,288	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	55,748	140,692	165,115	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	19,108	42,004	53,509	No	No	No	Postsecondary nondegree award	No	No	Yes
53-5031	Ship Engineers	30,815	71,099	87,455	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	24,569	38,198	46,901	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	18,854	24,034	26,663	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	18,832	27,079	28,815	No	No	No	No formal educational credential	No	No	No
53-6041	Traffic Technicians	36,876	53,835	50,858	Yes	Yes	No	Associate's degree	Yes	No	No
53-6051	Transportation Inspectors	71,166	99,403	119,871	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,980	23,517	25,354	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	22,041	29,474	34,014	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,137	32,488	38,972	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	33,279	55,104	64,518	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	32,651	46,078	53,500	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	25,803	39,747	41,775	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	28,115	40,256	47,144	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	20,946	28,630	31,418	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,036	31,008	35,773	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	21,244	30,955	32,612	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	20,279	26,674	28,581	No	No	No	No formal educational credential	Yes	No	No
53-7065	Stockers and Order Fillers	21,658	30,764	36,732	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	33,598	62,366	74,980	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	19,415	38,953	46,404	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	23,986	38,054	46,757	No	No	No	High school diploma or equivalent	No	No	No
53-7081	Refuse and Recyclable Material Collectors	23,010	41,845	48,813	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,137	32,488	38,972	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	21,956	46,854	70,341	No	No	Yes	No formal educational credential	Yes	Yes	Yes

Workforce Region 8 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	29,883	49,942	58,596	
1	No formal educational credential	20,103	27,292	30,290	82
2	High school diploma or equivalent	26,511	43,026	50,974	232
3	Some college, no degree	25,776	39,546	46,148	48
4	Postsecondary nondegree award	27,938	43,741	51,799	85
5	Associate's degree	35,589	54,819	64,223	63
6	Bachelor's degree	41,857	79,441	96,253	172
7	Master's degree	52,458	79,467	92,052	42
8	Doctoral or professional degree	69,156	140,269	148,531	63

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	453	334	461	326	455	332
No formal educational credential	42.7%	57.3%	29.3%	70.7%	30.5%	69.5%
High school diploma or equivalent	65.5%	34.5%	75.9%	24.1%	75.4%	24.6%
Some college, no degree	35.4%	64.6%	31.3%	68.8%	25.0%	75.0%
Postsecondary nondegree award	45.9%	54.1%	41.2%	58.8%	43.5%	56.5%
Associate's degree	52.4%	47.6%	49.2%	50.8%	47.6%	52.4%
Bachelor's degree	55.8%	44.2%	61.0%	39.0%	61.6%	38.4%
Master's degree	69.0%	31.0%	66.7%	33.3%	61.9%	38.1%
Doctoral or professional degree	82.5%	17.5%	74.6%	25.4%	69.8%	30.2%

Workforce Region 9 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	34,155	125,144	208,758	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1021	General and Operations Managers	34,899	102,482	130,032	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	18,791	73,922	103,725	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2011	Advertising and Promotions Managers	45,462	103,673	120,395	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	58,036	119,825	153,390	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	57,391	105,344	130,356	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	56,194	100,729	120,360	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	45,078	79,134	98,982	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	66,684	129,688	171,248	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	55,768	125,920	157,789	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	63,413	112,142	143,862	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	53,961	99,823	124,721	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	31,713	82,020	108,055	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3111	Compensation and Benefits Managers	61,762	99,833	118,297	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	61,199	103,391	111,571	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	64,687	91,156	105,536	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	34,623	74,437	78,914	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
11-9021	Construction Managers	54,007	88,076	109,430	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	29,587	47,487	49,119	No	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	37,765	66,490	81,793	Yes	Yes	Yes	Master's degree	No	No	No
11-9033	Education Administrators, Postsecondary	42,769	91,117	108,809	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9039	Education Administrators, All Other	23,689	44,912	50,703	No	No	No	Master's degree	No	No	No
11-9041	Architectural and Engineering Managers	86,494	128,953	159,761	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	28,174	54,260	60,903	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	43,157	82,455	90,680	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	36,663	60,070	64,696	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	72,570	119,333	139,946	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	50,097	92,772	125,643	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	71,887	83,803	94,957	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	20,755	57,534	70,352	No	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	46,166	69,102	78,415	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
11-9161	Emergency Management Directors	45,321	77,584	93,950	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	39,467	76,750	93,912	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	43,587	93,682	114,535	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	31,963	80,151	96,385	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	32,550	50,919	59,440	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	43,939	63,086	72,709	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	45,940	64,385	75,495	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	33,151	58,866	68,048	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	38,388	60,876	65,569	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	37,180	61,765	76,713	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	17,733	55,186	74,830	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	29,980	56,968	63,290	No	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	32,458	63,289	79,874	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1121	Meeting, Convention, and Event Planners	34,448	50,492	55,984	Yes	Yes	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	31,721	56,016	68,724	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	39,551	54,910	62,478	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1151	Training and Development Specialists	36,207	59,476	72,598	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	27,052	53,736	64,116	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	29,479	70,970	85,174	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2011	Accountants and Auditors	39,983	65,680	78,745	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2020	Property Appraisers and Assessors	40,540	54,153	54,536	Yes	Yes	No	Bachelor's degree	Yes	No	No
13-2031	Budget Analysts	38,351	71,173	86,192	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2041	Credit Analysts	44,318	69,651	82,374	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
13-2052	Personal Financial Advisors	56,023	207,293	118,418	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2053	Insurance Underwriters	43,145	70,146	82,841	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
13-2061	Financial Examiners	64,220	101,362	126,801	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	35,098	43,224	48,832	Yes	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	24,630	67,317	91,772	No	Yes	Yes	Bachelor's degree	No	No	Yes
13-2081	Tax Examiners and Collectors, and Revenue Agents	26,539	45,565	52,806	No	No	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	19,246	50,935	70,022	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	33,302	55,160	66,998	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	44,140	77,659	99,500	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	55,226	100,504	112,678	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	68,451	112,385	131,290	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	34,610	57,903	61,649	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	32,181	45,647	53,302	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	55,056	83,813	103,711	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	44,936	77,254	94,069	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1245	Database Administrators and Architects	48,394	88,657	112,225	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	43,607	73,596	88,700	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	40,077	84,774	110,431	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	25,074	59,811	73,467	No	Yes	Yes	Associate's degree	No	Yes	Yes

Workforce Region 9 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	41,931	71,361	91,006	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2011	Actuaries	46,314	109,388	134,896	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	65,977	98,905	111,852	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	32,486	46,384	51,052	Yes	No	No	Bachelor's degree	No	No	No
15-2041	Statisticians	27,644	67,710	89,275	No	Yes	Yes	Master's degree	No	No	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	39,740	65,629	83,957	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
17-1011	Architects, Except Landscape and Naval	45,069	78,965	89,507	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	40,207	67,710	85,228	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
17-1021	Cartographers and Photogrammetrists	42,929	57,816	69,371	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	44,640	70,919	86,108	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2011	Aerospace Engineers	62,539	102,615	122,315	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	49,853	86,219	102,718	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	58,399	85,369	102,493	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	47,985	95,520	130,332	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	53,672	81,029	99,206	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	59,570	96,123	116,498	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	50,245	101,428	125,679	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	56,183	86,502	105,033	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	44,924	88,268	102,301	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	44,085	78,240	97,022	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	58,080	87,957	102,511	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	45,406	75,233	89,940	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	47,738	90,090	109,800	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	45,701	85,327	113,527	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	68,863	110,671	135,468	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	80,638	101,706	114,877	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	69,312	150,550	185,098	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	54,612	80,137	94,055	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	30,497	52,569	62,884	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3012	Electrical and Electronics Drafters	21,911	48,947	60,750	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	40,074	55,318	65,328	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	31,429	51,701	59,607	Yes	Yes	Yes	Associate's degree	No	Yes	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	38,146	64,319	82,961	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	27,023	54,398	62,500	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	40,683	58,222	65,062	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	31,092	49,780	57,771	Yes	Yes	Yes	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	30,200	51,483	61,059	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3026	Industrial Engineering Technologists and Technicians	32,468	51,274	62,338	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	29,406	51,832	66,821	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	28,130	40,277	46,926	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	39,444	56,367	66,929	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	38,951	60,694	72,657	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	30,071	54,492	68,582	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	29,827	67,692	91,870	No	Yes	Yes	Bachelor's degree	No	No	Yes
19-1021	Biochemists and Biophysicists	38,157	79,839	94,765	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	33,921	58,839	71,832	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	35,723	55,834	65,258	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	35,394	58,230	66,998	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	34,261	58,904	86,948	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1032	Foresters	46,960	68,433	85,980	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1041	Epidemiologists	30,829	51,738	64,422	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	41,865	72,182	68,244	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
19-1099	Life Scientists, All Other	47,232	97,716	122,550	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	80,254	136,939	155,487	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	80,254	136,939	155,487	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	55,457	92,732	108,994	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	41,936	74,377	89,956	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2032	Materials Scientists	46,530	96,676	125,716	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	38,281	66,943	78,610	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	39,928	72,684	93,479	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	43,944	89,697	105,406	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	44,478	109,763	128,489	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	49,546	88,413	99,720	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	27,644	67,710	89,275	No	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	34,108	78,127	109,201	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	27,644	67,710	89,275	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	43,195	91,748	108,254	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	49,687	70,970	86,090	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	42,794	65,919	77,157	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	30,829	51,738	64,422	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	59,963	78,746	91,149	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	23,391	54,886	80,601	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists	58,689	93,331	107,589	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	32,053	69,566	81,838	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
19-4010	Agricultural and Food Science Technicians	18,070	34,174	41,387	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	26,033	41,668	51,748	No	No	No	Bachelor's degree	No	No	No

Workforce Region 9 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
19-4031	Chemical Technicians	29,748	45,984	51,287	No	No	No	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	29,876	44,479	48,510	No	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	24,656	43,616	52,816	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	65,977	90,212	102,250	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	28,997	37,661	42,598	No	No	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	29,246	44,038	52,656	No	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	33,456	45,207	53,510	Yes	No	No	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	19,682	45,087	56,741	No	No	No	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	36,854	59,564	73,381	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	25,321	47,073	61,031	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	33,806	45,286	50,835	Yes	No	No	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	28,066	39,776	46,802	No	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	24,189	36,673	37,750	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	27,414	42,999	50,228	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	29,645	38,413	42,941	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	28,419	39,699	46,252	No	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	37,884	60,319	73,444	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	33,519	56,926	73,447	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	32,703	49,434	62,511	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	31,148	43,078	47,565	Yes	No	No	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	32,488	41,337	46,487	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	21,594	31,706	37,249	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	22,654	32,919	33,041	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	31,634	38,155	40,858	Yes	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	25,940	53,031	64,939	No	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	24,000	43,851	52,825	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	18,389	40,750	54,024	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	39,364	91,721	112,219	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	28,403	48,104	54,418	No	No	No	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	36,394	96,086	117,669	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	23,925	66,774	94,456	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	136,835	175,909	160,470	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	26,310	49,242	60,585	No	Yes	Yes	Associate's degree	No	No	Yes
23-2093	Title Examiners, Abstractors, and Searchers	37,103	56,332	62,236	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	18,927	47,691	49,302	No	No	No	Associate's degree	No	No	No
25-1011	Business Teachers, Postsecondary	55,738	102,268	120,273	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	43,738	92,591	115,889	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	39,982	77,931	102,849	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	24,843	84,957	106,015	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	50,736	103,702	127,027	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	51,935	97,959	119,233	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	39,663	84,376	103,317	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	64,675	105,997	124,667	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	44,731	89,144	110,437	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	49,050	82,493	97,434	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	21,949	70,483	82,736	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	45,743	88,751	112,142	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	54,558	87,205	98,540	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	40,666	75,326	91,495	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	55,738	102,268	120,273	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	49,200	81,893	96,460	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	49,640	88,245	99,420	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	39,345	76,441	91,205	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	40,319	76,113	92,807	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	41,359	78,821	104,573	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	53,837	109,275	116,582	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	53,837	109,275	116,582	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	39,766	64,113	76,085	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	41,115	66,521	78,399	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	37,237	83,851	91,299	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	52,647	142,512	188,883	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	34,548	70,034	82,437	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	31,298	92,826	106,175	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	38,970	67,926	80,263	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	29,284	71,917	99,617	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	44,338	80,572	103,842	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	27,317	78,024	89,725	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	42,296	87,720	103,149	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	39,766	64,113	76,085	Yes	Yes	Yes	Master's degree	No	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	31,260	62,970	76,366	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	32,568	58,766	67,362	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	21,499	52,347	65,799	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,424	26,501	29,925	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	21,652	31,086	36,578	No	No	No	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	30,292	42,264	48,944	Yes	No	No	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	52,735	57,565	62,163	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	28,075	55,307	70,643	No	Yes	Yes	Bachelor's degree	No	No	No

Workforce Region 9 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	33,718	42,297	47,903	Yes	No	No	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	40,881	61,106	69,528	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	30,024	58,268	74,118	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	38,342	59,907	72,348	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	38,427	55,860	65,565	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	39,139	59,073	70,764	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	26,249	48,553	59,027	No	No	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	33,567	38,946	40,404	Yes	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	19,055	35,402	45,646	No	No	No	Some college, no degree	No	No	Yes
25-3031	Substitute Teachers, Short-Term	17,696	27,747	29,181	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	22,854	48,685	67,316	No	No	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	25,602	40,797	47,523	No	No	No	Master's degree	No	No	No
25-4012	Curators	27,110	51,710	58,858	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	21,424	38,652	46,567	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	44,565	66,513	73,326	Yes	Yes	Yes	Master's degree	Yes	No	No
25-4031	Library Technicians	26,827	37,520	41,597	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	18,482	27,126	30,484	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	21,719	44,811	58,828	No	No	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	17,930	35,719	46,090	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	19,011	25,151	28,872	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	19,812	43,161	64,940	No	No	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	30,739	62,329	74,206	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1012	Craft Artists	17,181	30,708	36,872	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,005	44,422	59,476	No	No	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	33,944	45,213	52,092	Yes	No	No	Bachelor's degree	No	No	No
27-1019	Artists and Related Workers, All Other	28,459	80,282	98,146	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	37,359	63,317	73,931	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	30,342	58,614	67,785	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	22,026	28,034	30,686	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	32,213	54,231	59,376	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	22,942	49,940	59,261	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	22,034	32,263	36,638	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	21,181	46,099	57,247	No	No	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	32,820	50,280	59,633	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	20,070	41,445	46,102	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	26,794	63,066	84,400	No	Yes	Yes	Bachelor's degree	No	No	Yes
27-2021	Athletes and Sports Competitors	17,537	66,511	78,240	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	18,530	42,680	50,099	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	17,555	36,844	43,972	No	No	No	Some college, no degree	No	Yes	Yes
27-2031	Dancers	18,862	51,830	76,109	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	17,302	36,469	55,382	No	No	No	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	17,649	61,893	71,982	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	17,751	84,058	117,845	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	17,752	24,384	28,375	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,651	55,795	68,563	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	26,979	59,382	68,881	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	27,540	52,546	65,632	No	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	20,037	53,085	60,850	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	19,273	52,124	64,324	No	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	22,264	55,668	75,401	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	21,846	51,186	65,481	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,164	47,916	78,746	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	30,833	54,897	72,601	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
27-4011	Audio and Video Technicians	18,826	41,756	56,325	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	28,970	46,004	50,527	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	22,117	52,937	60,806	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	19,919	42,744	44,320	No	No	No	Some college, no degree	No	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	21,939	46,708	58,080	No	No	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	29,865	50,567	60,928	No	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	23,167	76,123	98,830	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	51,225	68,353	77,886	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	100,708	153,185	170,589	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	59,804	220,134	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	83,898	169,482	194,850	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists										
29-1029	Dentists, All Other Specialists	53,649	164,227	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	46,745	62,829	73,114	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041	Optometrists	69,936	129,598	154,948	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1051	Pharmacists	47,359	110,018	136,728	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1071	Physician Assistants	82,992	102,838	112,756	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	50,455	124,320	170,475	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1122	Occupational Therapists	47,538	79,353	94,658	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	65,221	83,119	95,404	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1124	Radiation Therapists	55,751	79,291	95,153	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	33,660	55,360	70,426	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	43,476	56,347	61,902	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	57,220	85,739	99,354	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	33,284	50,727	62,287	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	29,752	48,263	56,488	No	No	No	Bachelor's degree	No	No	No
29-1131	Veterinarians	75,367	94,300	101,001	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	53,830	73,441	85,591	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
29-1151	Nurse Anesthetists	137,386	175,576	194,046	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,515	63,261	92,760	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	73,368	115,527	118,863	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	41,424	69,097	78,024	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	127,571	254,280	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	77,732	183,312	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	47,757	196,433	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	116,835	230,045	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	55,111	148,264	184,752	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	43,926	188,789	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	116,251	209,104	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	48,722	229,352	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	53,838	66,047	74,916	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	22,011	58,636	69,607	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	30,443	55,132	68,540	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	24,459	46,417	63,645	No	No	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	53,505	63,389	69,253	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	53,996	71,411	80,544	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	42,213	58,153	69,762	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	44,179	62,671	73,163	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	27,602	38,679	45,721	No	No	No	Postsecondary nondegree award	Yes	No	Yes
29-2051	Dietetic Technicians	19,401	27,991	30,295	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	26,209	35,009	39,416	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	23,762	28,569	31,016	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	30,314	43,757	51,120	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	19,818	31,840	38,922	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	27,873	40,830	48,074	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	39,736	55,357	57,620	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	21,631	40,003	48,073	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	34,792	71,626	84,601	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	27,260	59,345	68,554	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	27,264	48,270	59,092	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	31,512	50,087	59,783	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	55,729	75,598	87,139	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	24,372	55,047	73,314	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
31-1120	Home Health and Personal Care Aides	18,987	25,274	28,791	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	22,320	29,238	31,944	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	19,916	26,539	29,162	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	23,953	28,122	29,977	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	47,776	63,270	73,509	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	18,258	26,558	30,211	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	45,068	61,809	74,028	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	21,044	26,842	30,157	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	31,664	47,365	53,950	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9091	Dental Assistants	28,310	40,407	48,300	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	26,425	33,227	37,683	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	22,633	32,000	36,703	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	27,706	35,689	39,994	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9095	Pharmacy Aides	20,169	30,530	36,478	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	18,269	21,863	21,834	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	26,562	34,046	38,306	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	25,134	32,600	36,778	No	No	No	High school diploma or equivalent	Yes	No	No
33-1011	First-Line Supervisors of Correctional Officers	32,178	44,881	46,286	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	49,316	70,525	79,643	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	30,529	51,663	58,960	Yes	Yes	Yes	Associate's degree	No	Yes	No
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	28,710	46,929	53,882	No	No	No	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	21,561	32,338	38,672	No	No	No	Postsecondary nondegree award	No	No	No
33-2021	Fire Inspectors and Investigators	41,143	58,024	62,427	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	27,776	32,834	35,869	No	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	30,801	43,785	50,727	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,754	37,612	39,299	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	31,956	62,317	62,353	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	19,869	26,661	28,797	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	25,874	40,169	47,111	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	35,654	48,174	54,822	Yes	No	No	Associate's degree	Yes	No	No
33-3052	Transit and Railroad Police	42,164	60,741	72,113	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	25,415	36,319	41,059	No	No	No	Postsecondary nondegree award	No	No	No

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33-9021	Private Detectives and Investigators	31,251	46,221	56,329	Yes	No	No	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	23,448	32,544	36,881	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	21,011	27,177	30,591	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	22,096	46,530	58,083	No	No	Yes	No formal educational credential	Yes	Yes	Yes
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	18,192	27,007	29,668	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	34,102	39,872	42,125	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	19,410	32,731	37,630	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	30,872	53,905	63,563	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	21,202	33,355	39,941	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	19,720	26,105	30,545	No	No	No	No formal educational credential	No	No	Yes
35-2012	Cooks, Institution and Cafeteria	21,455	27,585	30,651	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2013	Cooks, Private Household	19,719	28,253	33,143	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	20,440	26,499	30,084	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	18,887	23,634	26,850	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	20,466	28,009	27,250	No	No	No	No formal educational credential	Yes	Yes	No
35-2021	Food Preparation Workers	19,312	25,519	29,394	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,656	30,920	36,265	No	No	No	No formal educational credential	No	Yes	Yes
35-3023	Fast Food and Counter Workers	18,682	22,636	24,438	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,735	27,682	28,926	No	No	No	No formal educational credential	No	Yes	No
35-3041	Food Servers, Nonrestaurant	18,706	22,599	24,053	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,899	26,586	29,336	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	18,884	22,899	24,947	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	17,649	22,183	24,094	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	19,228	25,632	30,829	No	No	No	No formal educational credential	No	No	Yes
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	30,989	43,242	49,488	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	34,152	44,540	48,138	Yes	No	No	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	20,817	28,368	30,956	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,247	24,235	26,598	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	20,216	34,192	49,406	No	No	No	No formal educational credential	No	Yes	Yes
37-2021	Pest Control Workers	25,874	39,702	47,753	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
37-3011	Landscaping and Groundskeeping Workers	20,116	28,908	31,555	No	No	No	No formal educational credential	No	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21,199	31,879	36,872	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	20,825	33,836	42,586	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	24,525	33,574	37,134	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	34,192	52,497	61,931	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	32,763	51,949	60,413	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	20,487	37,256	42,830	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	20,224	27,364	30,530	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	17,265	23,504	26,520	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,455	25,808	29,143	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	18,867	32,469	33,537	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	17,864	28,028	30,717	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	19,153	23,829	23,602	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,684	23,710	25,195	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	24,534	52,741	68,722	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	18,230	25,911	29,537	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	17,752	24,384	28,375	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	31,757	53,322	54,333	Yes	Yes	No	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	19,953	28,075	29,668	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	29,668	51,420	57,434	No	Yes	Yes	Associate's degree	No	Yes	No
39-5011	Barbers	20,525	29,799	35,457	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,128	28,594	30,999	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	34,108	66,202	76,385	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	19,079	24,750	29,695	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	18,042	24,665	28,459	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,738	33,808	39,036	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	17,640	23,391	26,689	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	19,729	27,176	30,174	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	20,675	30,651	33,612	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,598	25,657	25,513	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	20,664	34,807	44,669	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	19,270	28,246	32,074	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	23,980	40,156	48,046	No	No	No	Some college, no degree	No	Yes	Yes
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	20,142	26,468	28,031	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	26,441	43,978	54,186	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	33,691	74,251	86,442	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,310	23,905	26,124	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	17,789	26,811	33,143	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	19,601	28,397	30,840	No	No	No	No formal educational credential	No	Yes	Yes
41-2022	Parts Salespersons	20,741	32,771	39,163	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	20,141	27,435	30,020	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	21,276	59,130	67,699	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	23,834	52,836	54,287	No	Yes	No	Postsecondary nondegree award	No	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	32,537	54,973	63,416	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	19,326	35,851	43,920	No	No	No	Some college, no degree	No	No	Yes

Workforce Region 9 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	20,464	48,274	57,163	No	No	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	35,447	76,985	90,658	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	23,758	52,761	71,463	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,391	36,759	46,230	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models	19,391	36,759	46,230	No	No	No	High school diploma or equivalent	No	No	Yes
41-9021	Real Estate Brokers	25,049	62,596	65,162	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	24,254	47,239	56,361	No	No	No	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	52,563	104,610	135,093	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	18,445	26,052	28,656	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,611	25,827	28,057	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,210	36,180	39,321	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	30,724	54,448	66,086	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	23,336	30,818	32,533	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	22,605	29,424	30,567	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	27,663	38,286	45,265	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	31,870	38,865	43,443	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	28,402	39,313	45,233	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	25,090	40,139	47,989	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	18,586	26,192	29,602	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	32,151	39,307	43,176	Yes	No	No	Some college, no degree	Yes	Yes	No
43-3061	Procurement Clerks	33,503	41,801	47,579	Yes	No	No	Associate's degree	No	No	No
43-3071	Tellers	26,540	32,785	37,080	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	28,703	43,879	51,298	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	47,397	57,298	63,059	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks										
43-4031	Court, Municipal, and License Clerks	27,119	38,652	42,121	No	No	No	Some college, no degree	Yes	Yes	No
43-4041	Credit Authorizers, Checkers, and Clerks	26,661	40,581	46,558	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	19,633	32,337	38,494	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	23,292	31,914	34,166	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	23,868	31,800	35,370	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	19,293	24,441	27,386	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	18,698	34,361	39,073	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	18,773	26,633	29,771	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	26,124	40,534	48,481	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	27,907	38,127	43,364	No	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	22,097	31,442	37,538	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	33,226	42,590	48,365	Yes	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	20,316	28,761	32,577	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	22,239	39,467	54,586	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-4199	Information and Record Clerks, All Other	26,629	41,232	49,007	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5011	Cargo and Freight Agents	25,396	41,705	48,094	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	24,422	30,892	34,129	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	33,101	40,349	44,739	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	23,332	32,349	36,228	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	26,940	38,599	41,426	No	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,757	51,303	62,996	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,607	53,238	65,034	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	35,387	49,885	62,985	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	27,236	45,986	51,118	No	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	22,162	32,738	38,451	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	33,345	42,151	48,224	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-6011	Executive Secretaries and Executive Administrative Assistants	27,482	49,942	60,988	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	27,893	38,037	42,176	No	No	No	Some college, no degree	Yes	Yes	No
43-6013	Medical Secretaries and Administrative Assistants	26,307	34,091	38,361	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	19,544	36,800	43,453	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	26,277	35,157	38,232	No	No	No	High school diploma or equivalent	Yes	No	No
43-9022	Word Processors and Typists	20,312	35,443	43,578	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	26,951	49,574	54,174	No	Yes	No	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	32,301	41,557	46,378	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	20,579	29,112	32,785	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	21,675	34,659	41,473	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	19,073	31,279	36,356	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	24,928	39,654	52,572	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	30,726	51,813	63,486	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	24,743	39,658	45,784	No	No	No	Some college, no degree	No	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	29,321	52,235	57,509	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	19,213	34,951	44,216	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	20,487	37,256	42,830	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	24,019	31,757	35,654	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	21,715	31,429	35,926	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	19,333	22,697	24,008	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	19,654	30,202	38,708	No	No	No	No formal educational credential	No	Yes	Yes

Workforce Region 9 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	18,417	27,167	27,448	No	No	No	No formal educational credential	No	No	No
45-3031	Fishing and Hunting Workers	19,654	30,202	38,708	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	33,949	38,764	42,118	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	25,687	35,185	38,586	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	17,602	33,958	43,242	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	21,630	31,223	36,356	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,483	44,394	55,916	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	38,542	59,651	68,023	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	32,853	48,619	57,050	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	27,532	40,085	46,727	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2022	Stonemasons	30,829	37,050	40,825	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	33,476	45,076	53,990	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	17,537	30,548	39,410	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,501	37,471	48,806	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	24,506	33,537	38,305	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	24,590	36,797	42,801	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	21,240	31,135	37,267	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	31,869	41,958	47,186	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	22,749	33,946	38,712	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	25,049	35,185	37,883	No	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	31,541	47,448	56,525	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	26,117	38,531	46,493	No	No	No	High school diploma or equivalent	Yes	No	Yes
47-2081	Drywall and Ceiling Tile Installers	18,452	31,795	38,664	No	No	No	No formal educational credential	No	Yes	Yes
47-2082	Tapers	17,715	38,520	47,204	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	30,530	42,608	49,342	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	25,480	39,588	47,635	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	25,715	36,900	43,382	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	27,410	37,368	43,223	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	27,754	36,639	39,833	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	30,932	44,853	57,415	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	26,436	36,890	41,996	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	26,756	44,083	53,453	No	No	No	Postsecondary nondegree award	No	Yes	Yes
47-2161	Plasterers and Stucco Masons	21,415	35,392	42,820	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	29,630	42,595	48,984	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	27,287	38,925	46,255	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	27,448	43,653	55,015	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	25,630	41,378	48,891	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	23,897	33,827	37,837	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20,806	28,572	33,462	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	20,956	30,427	35,588	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	23,938	31,996	36,802	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	19,391	26,445	30,811	No	No	No	No formal educational credential	No	No	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	21,874	29,312	32,909	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	23,138	32,038	36,675	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	19,381	23,714	25,033	No	No	No	No formal educational credential	No	No	No
47-4011	Construction and Building Inspectors	25,167	50,548	63,133	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	38,811	72,750	91,598	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	24,103	36,057	44,291	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	25,312	37,284	44,216	No	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	24,604	31,887	36,629	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	32,085	45,106	51,720	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	24,160	35,851	38,708	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	25,630	36,450	41,237	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	32,197	42,408	48,001	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	23,363	50,783	65,640	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	24,544	38,642	44,797	No	No	No	High school diploma or equivalent	No	No	No
47-5041	Continuous Mining Machine Operators	34,005	54,118	64,563	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	34,005	54,118	64,563	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	28,731	35,129	37,284	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	32,197	42,408	48,001	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	22,202	32,132	37,574	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	24,787	42,961	49,949	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	33,415	53,200	68,226	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	36,764	60,457	68,595	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	19,648	34,389	40,976	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	29,368	54,099	69,013	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	38,437	62,691	76,950	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	31,916	55,186	67,055	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	26,520	40,628	48,076	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	31,682	51,598	64,994	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 9 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	27,353	38,434	42,185	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	39,776	67,261	85,416	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	23,925	35,644	42,530	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	22,736	41,218	52,319	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	27,264	43,593	54,082	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	32,178	63,813	83,036	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-3021	Automotive Body and Related Repairers	19,893	52,126	61,271	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	20,497	35,129	40,506	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	25,016	41,821	51,930	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	34,485	49,616	58,233	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	24,900	39,823	48,282	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	31,455	47,060	57,626	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	34,267	52,553	59,607	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	26,483	46,933	59,308	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3052	Motorcycle Mechanics	24,038	34,548	40,666	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	32,900	36,201	39,469	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	20,937	28,188	32,066	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	25,640	44,994	56,825	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	18,543	24,326	25,162	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	22,387	30,710	34,269	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	29,565	47,570	56,394	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	32,948	44,716	50,811	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	24,806	37,996	45,424	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	32,988	41,639	47,399	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	23,494	37,274	45,799	No	No	No	High school diploma or equivalent	No	No	No
49-9044	Millwrights	30,127	47,008	57,968	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	42,199	64,024	83,378	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	28,591	43,111	49,003	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	18,220	38,914	51,514	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	29,183	47,002	56,896	No	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	22,249	33,087	37,715	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,553	41,040	50,970	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	35,954	53,293	61,078	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	23,380	37,378	42,933	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	42,193	69,088	83,935	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18,314	28,890	34,933	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	31,794	47,176	47,916	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	27,485	34,886	38,920	No	No	No	High school diploma or equivalent	Yes	No	No
49-9095	Manufactured Building and Mobile Home Installers	20,010	27,541	30,099	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	30,548	46,118	55,832	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	37,200	62,127	74,793	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	18,341	24,840	30,134	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	19,367	34,319	39,547	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	37,030	67,964	84,872	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	18,052	38,708	50,015	No	No	No	Postsecondary nondegree award	No	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	17,583	33,584	46,858	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	19,093	32,122	33,360	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	23,991	28,422	29,818	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	24,085	34,211	39,120	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	26,599	32,912	34,902	No	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	21,680	31,735	37,510	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	19,758	27,315	31,357	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	22,538	34,360	40,704	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	20,384	29,199	34,670	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	21,003	26,820	29,443	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	24,019	31,757	35,654	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,576	28,506	32,947	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	18,248	26,333	30,576	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	19,860	25,640	28,759	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	24,188	33,387	37,911	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	24,797	33,490	37,059	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	24,965	34,352	40,178	No	No	No	High school diploma or equivalent	Yes	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,562	30,605	35,635	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	31,410	51,663	63,083	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,797	30,726	35,794	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,630	35,719	41,996	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	31,691	41,743	47,373	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 9 Wages by Detailed Occupation

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	26,752	40,899	48,463	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	28,778	39,776	46,258	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4052	Pourers and Casters, Metal	24,609	38,848	46,567	No	No	No	High school diploma or equivalent	No	No	Yes
51-4061	Model Makers, Metal and Plastic	31,410	51,663	63,083	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	28,038	49,977	59,008	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	20,141	35,373	44,890	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	19,878	31,485	36,984	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24,010	33,986	37,312	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	28,038	49,977	59,008	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	26,652	37,987	46,510	No	No	No	Postsecondary nondegree award	No	No	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	23,654	33,415	38,371	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	21,012	32,703	37,612	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	26,923	42,961	53,443	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	26,792	36,488	39,495	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	24,665	33,733	37,378	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	19,963	32,113	36,506	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	22,668	33,951	39,743	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	19,798	33,313	40,139	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	19,654	29,874	36,000	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	20,633	26,143	28,870	No	No	No	No formal educational credential	Yes	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	17,939	22,923	26,024	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	18,867	25,493	30,166	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	18,558	29,040	34,951	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	17,864	27,972	33,752	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	19,860	26,736	31,851	No	No	No	No formal educational credential	No	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	18,764	27,841	32,544	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders										
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	19,841	29,406	34,511	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	17,864	24,778	28,216	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders										
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	35,710	64,563	76,919	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	17,640	27,738	29,509	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	19,246	43,326	45,177	No	No	No	High school diploma or equivalent	No	Yes	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,527	25,818	31,541	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	27,205	37,579	45,413	No	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Furniture Finishers	27,065	33,266	37,257	No	No	No	High school diploma or equivalent	Yes	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	22,839	35,755	39,240	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	19,897	30,858	36,656	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	21,396	38,258	53,256	No	No	No	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	65,977	90,212	102,250	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	47,626	76,235	95,570	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	42,193	69,088	83,935	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	36,581	54,614	61,640	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	31,950	48,285	57,760	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	29,855	48,684	59,261	No	No	Yes	Associate's degree	No	No	No
51-8092	Gas Plant Operators	31,007	44,928	53,968	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	28,478	48,057	55,935	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	36,712	56,122	60,113	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	25,068	41,893	52,984	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	23,120	35,954	43,307	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	22,389	33,752	38,886	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,602	31,438	35,626	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	26,147	33,157	37,871	No	No	No	High school diploma or equivalent	Yes	No	No
51-9031	Cutters and Trimmers, Hand	19,672	33,209	39,579	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	21,958	32,684	38,380	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,342	31,841	36,169	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,565	30,876	35,541	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	24,233	49,400	61,628	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	22,904	42,380	54,062	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	27,052	37,651	43,128	No	No	No	Postsecondary nondegree award	No	No	No
51-9082	Medical Appliance Technicians	23,963	43,232	50,802	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	20,675	32,113	36,244	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	23,140	28,736	31,360	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,473	30,773	39,682	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	33,123	36,071	39,136	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians	26,595	39,176	45,930	No	No	No	High school diploma or equivalent	Yes	No	Yes

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51-9151	Photographic Process Workers and Processing Machine Operators	22,661	39,373	47,186	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9161	Computer Numerically Controlled Tool Operators	30,224	37,933	40,513	Yes	No	No	Postsecondary nondegree award	Yes	No	No
51-9162	Computer Numerically Controlled Tool Programmers	33,256	50,998	59,842	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	20,216	32,497	39,382	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,427	32,506	37,340	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	20,337	34,801	42,998	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,508	25,031	31,110	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	22,436	31,804	36,075	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	24,103	34,483	38,801	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	24,572	35,354	42,923	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	21,819	27,556	31,067	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	27,211	38,083	46,165	No	No	No	High school diploma or equivalent	Yes	No	Yes
53-1041	Aircraft Cargo Handling Supervisors	32,600	59,626	74,015	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	33,452	53,123	64,063	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	91,973	215,206	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	40,403	118,446	148,339	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	65,116	114,896	142,391	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	23,813	43,682	56,591	No	No	No	Some college, no degree	No	Yes	Yes
53-2031	Flight Attendants	28,853	54,558	63,017	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,534	27,335	29,668	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,197	33,245	41,602	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	28,165	44,142	51,784	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	21,860	35,309	40,015	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	22,586	34,464	40,001	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	20,765	30,740	35,286	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	21,655	35,568	44,760	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	50,165	62,989	69,387	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	50,624	63,607	72,404	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers										
53-4031	Railroad Conductors and Yardmasters	50,624	63,607	72,404	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	20,975	39,523	55,701	No	No	No	High school diploma or equivalent	No	Yes	Yes
53-4099	Rail Transportation Workers, All Other	27,139	51,851	67,682	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	22,333	38,548	45,677	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	20,946	75,982	99,083	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	18,717	41,143	52,413	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	30,820	68,750	84,217	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	24,066	37,415	45,940	No	No	No	High school diploma or equivalent	No	No	Yes
53-6021	Parking Attendants	19,262	24,940	29,631	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	20,581	28,200	32,027	No	No	No	No formal educational credential	Yes	Yes	Yes
53-6041	Traffic Technicians	26,989	44,844	52,047	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	49,303	86,633	114,737	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,611	23,035	24,834	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	21,124	31,101	36,441	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	18,745	31,822	38,174	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	33,537	57,200	69,528	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	31,982	45,134	52,403	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	25,274	38,933	40,919	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	33,371	40,699	46,599	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	20,957	29,506	32,634	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,197	29,252	34,408	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	18,745	30,417	36,356	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,969	23,103	24,771	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	21,388	29,259	32,664	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	32,909	61,087	73,444	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	19,017	38,155	45,453	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	28,263	40,622	46,492	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	18,745	31,822	38,174	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	21,302	39,916	50,783	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 9 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	30,002	48,779	56,954	
1	No formal educational credential	20,277	27,388	30,441	81
2	High school diploma or equivalent	24,932	39,341	45,923	224
3	Some college, no degree	24,791	36,834	43,415	48
4	Postsecondary nondegree award	27,129	39,635	45,631	85
5	Associate's degree	34,170	50,951	59,841	63
6	Bachelor's degree	38,973	68,307	82,904	172
7	Master's degree	43,868	74,309	86,126	42
8	Doctoral or professional degree	61,705	119,062	130,964	62

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	464	313	421	356	407	370
No formal educational credential	51.9%	48.1%	33.3%	66.7%	29.6%	70.4%
High school diploma or equivalent	64.3%	35.7%	71.9%	28.1%	69.6%	30.4%
Some college, no degree	41.7%	58.3%	25.0%	75.0%	25.0%	75.0%
Postsecondary nondegree award	49.4%	50.6%	32.9%	67.1%	29.4%	70.6%
Associate's degree	68.3%	31.7%	39.7%	60.3%	41.3%	58.7%
Bachelor's degree	55.8%	44.2%	55.8%	44.2%	55.8%	44.2%
Master's degree	66.7%	33.3%	66.7%	33.3%	59.5%	40.5%
Doctoral or professional degree	79.0%	21.0%	71.0%	29.0%	69.4%	30.6%

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May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	26,770	163,184	*	Yes	Yes	Yes*	Bachelor's degree	No	Yes	Yes*
11-1021	General and Operations Managers	41,815	88,986	107,366	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	18,605	57,432	67,528	No	Yes	Yes	Bachelor's degree	No	No	No
11-2011	Advertising and Promotions Managers	44,694	101,923	118,362	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	53,738	88,812	98,081	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	49,153	113,262	145,903	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	50,763	102,309	119,172	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	44,170	84,230	107,028	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	63,864	120,201	136,788	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	53,309	109,050	132,972	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	58,772	113,561	149,293	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	47,671	85,388	102,771	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	66,245	91,122	104,580	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	60,719	98,147	116,299	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	57,923	97,346	106,830	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	53,692	100,560	122,746	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	34,039	73,179	77,582	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
11-9021	Construction Managers	35,902	87,241	114,671	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	28,620	44,409	52,935	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	51,015	84,883	103,028	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	53,038	86,772	100,814	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	23,003	55,695	86,932	No	Yes	Yes	Master's degree	No	No	No
11-9041	Architectural and Engineering Managers	65,334	134,677	169,972	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	26,964	47,007	59,284	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	42,429	81,063	89,149	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	34,632	54,587	62,219	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	54,590	106,304	124,590	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	53,290	88,752	113,305	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	69,143	81,868	94,962	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	19,692	42,088	46,559	No	No	No	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	40,745	70,690	87,755	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9161	Emergency Management Directors	53,761	82,723	102,754	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	44,085	62,901	63,217	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	35,788	75,452	95,232	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	31,423	78,797	94,758	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	33,560	55,677	66,294	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	44,625	71,212	83,201	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	45,164	63,298	74,220	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	28,232	45,170	56,242	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	36,649	66,299	79,066	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	29,710	50,824	61,898	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	34,039	73,179	77,582	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	17,434	54,254	73,566	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	31,412	49,389	53,408	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	28,267	77,990	93,006	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	22,229	49,963	63,388	No	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	36,086	53,730	52,252	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	34,807	49,040	57,346	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	28,155	47,156	57,463	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	31,817	53,459	63,105	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	28,760	64,882	76,415	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	36,226	68,395	84,095	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2020	Property Appraisers and Assessors	34,145	57,178	72,757	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	41,676	69,510	84,992	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
13-2041	Credit Analysts	30,499	82,752	117,200	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2052	Personal Financial Advisors	27,937	82,743	94,620	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	30,011	58,085	72,286	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	42,419	76,790	92,612	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	30,604	46,287	49,041	Yes	Yes	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	29,202	76,789	100,461	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2081	Tax Examiners and Collectors, and Revenue Agents	26,091	44,795	51,915	No	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	17,738	43,377	56,243	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	34,558	67,987	80,468	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	36,915	69,611	84,855	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1212	Information Security Analysts	29,492	73,876	96,842	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1221	Computer and Information Research Scientists	67,295	110,488	129,073	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	23,714	41,583	48,288	No	No	No	Associate's degree	No	No	No
15-1232	Computer User Support Specialists	29,564	47,840	53,629	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	49,094	82,594	98,579	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	41,852	67,332	78,083	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1245	Database Administrators and Architects	35,430	81,626	120,407	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1251	Computer Programmers	42,023	70,799	87,851	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	36,589	94,883	117,752	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	40,775	63,529	87,539	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Wages - WFR10

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	23,326	50,690	63,407	No	Yes	Yes	Bachelor's degree	No	No	No
15-2011	Actuaries	45,532	107,540	132,618	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	64,863	97,235	109,963	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	35,213	52,315	61,272	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2041	Statisticians	27,178	66,567	87,767	Yes	Yes	Yes	Master's degree	No	No	No
15-2098	Data Scientists and Mathematical Science Occupations, All Other	47,522	85,585	109,088	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	49,810	112,127	184,252	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	27,344	51,554	71,436	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1021	Cartographers and Photogrammetrists	40,476	62,506	74,248	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	32,526	63,899	62,692	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	61,483	100,882	120,250	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	40,274	74,294	91,866	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	57,413	83,927	100,762	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	46,085	89,969	113,766	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	57,276	85,629	99,961	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	58,564	94,500	114,531	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	58,196	90,915	109,574	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	59,555	88,691	102,301	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	38,119	75,473	92,989	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	43,340	76,919	95,384	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	53,307	76,597	88,462	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	44,639	73,962	88,421	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	46,932	88,569	107,946	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	60,139	82,234	96,801	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	67,700	108,802	133,180	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	79,276	99,989	112,937	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	68,142	148,007	181,972	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	62,702	93,213	111,766	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	26,452	42,242	49,922	No	No	Yes	Associate's degree	No	No	No
17-3012	Electrical and Electronics Drafters	21,541	48,120	59,724	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3013	Mechanical Drafters	33,074	43,418	49,560	Yes	Yes	No	Associate's degree	Yes	No	No
17-3019	Drafters, All Other	30,898	50,828	58,601	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	37,501	63,233	81,560	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	27,548	40,943	47,583	Yes	No	No	Associate's degree	No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	35,668	56,637	65,614	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	30,567	48,940	56,796	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	25,004	40,274	48,212	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	31,626	50,487	59,945	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	28,909	50,957	65,692	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	26,289	38,099	41,074	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	33,862	49,062	57,791	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	38,294	59,669	71,430	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	29,563	53,572	67,423	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	29,323	66,549	90,319	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1021	Biochemists and Biophysicists	40,614	73,575	83,789	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	33,348	57,845	70,619	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	32,431	41,799	45,084	Yes	No	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	36,851	62,313	78,939	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	28,556	62,680	84,385	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1032	Foresters	56,785	68,240	75,942	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1041	Epidemiologists	30,309	50,865	63,334	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	37,041	69,200	79,236	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1099	Life Scientists, All Other	46,435	96,065	120,480	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	78,899	134,626	152,861	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	78,899	134,626	152,861	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	54,521	91,166	107,154	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	33,412	59,816	73,511	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	45,744	95,043	123,593	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	32,715	46,114	48,818	Yes	Yes	No	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	47,761	83,393	105,947	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	43,202	88,182	103,626	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	43,727	107,909	126,319	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	48,710	86,920	98,036	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3022	Survey Researchers	27,178	66,567	87,767	Yes	Yes	Yes	Master's degree	No	No	No
19-3031	Clinical, Counseling, and School Psychologists	40,140	69,823	83,841	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	27,178	66,567	87,767	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	35,723	87,052	111,832	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	48,848	69,772	84,636	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	39,108	69,334	83,429	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	30,309	50,865	63,334	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	22,996	53,959	79,239	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	50,349	76,458	90,328	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	28,298	37,068	41,187	Yes	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	22,630	39,855	49,051	No	No	No	Bachelor's degree	No	No	No

Wages - WFR10

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
19-4031	Chemical Technicians	28,891	46,941	56,611	Yes	Yes	Yes	Associate's degree	No	No	Yes
19-4042	Environmental Science and Protection Technicians, Including Health	24,092	42,981	49,133	No	Yes	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	24,240	42,880	51,924	No	Yes	Yes	Associate's degree	No	No	No
19-4051	Nuclear Technicians	64,863	88,688	100,523	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	24,829	49,538	57,440	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	28,752	43,294	51,767	Yes	Yes	Yes	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	33,053	47,270	55,099	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	19,349	44,326	55,783	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	31,317	54,867	70,992	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	24,894	46,278	60,001	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	31,221	55,515	70,477	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	31,958	45,452	56,839	Yes	Yes	Yes	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	26,124	42,135	49,182	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	23,858	43,141	54,437	No	Yes	Yes	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	26,831	33,540	35,115	Yes	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	21,672	39,045	44,102	No	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	39,295	59,411	66,846	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	33,063	42,401	49,650	Yes	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	40,020	45,942	49,017	Yes	Yes	No	Bachelor's degree	Yes	No	No
21-1091	Health Education Specialists	18,829	38,582	40,452	No	No	No	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	28,937	37,078	41,075	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	22,699	33,262	39,165	No	No	No	Some college, no degree	Yes	No	Yes
21-1094	Community Health Workers	33,384	45,597	54,786	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	27,139	37,249	39,136	Yes	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	26,401	46,803	59,802	No	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	23,595	43,110	51,933	No	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	18,078	40,062	53,112	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	34,485	75,049	104,581	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	27,924	47,291	53,499	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	35,779	94,463	115,682	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	23,521	65,646	92,860	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	134,525	172,938	157,760	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	26,584	38,264	43,511	No	No	No	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	34,662	52,336	65,493	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	26,225	33,860	32,059	No	No	No	Associate's degree	No	No	No
25-1011	Business Teachers, Postsecondary	54,797	100,541	118,242	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	43,000	91,028	113,932	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	39,307	76,615	101,112	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	24,424	83,522	104,225	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	49,879	101,950	124,882	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	51,058	96,305	117,220	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	38,993	82,951	101,573	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	63,583	104,207	122,561	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	43,976	87,639	108,572	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	48,221	81,100	95,789	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	21,578	69,293	81,339	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	44,970	87,252	110,248	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	53,637	85,732	96,876	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	39,979	74,054	89,950	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	54,797	100,541	118,242	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	48,369	80,510	94,831	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	48,802	86,754	97,741	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	38,680	75,150	89,665	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	39,638	74,828	91,240	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	40,660	77,490	102,807	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	52,928	107,430	114,613	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	52,928	107,430	114,613	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	39,095	63,031	74,800	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	40,421	65,397	77,075	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	36,608	82,435	89,757	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	51,758	140,106	185,693	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	33,965	68,851	81,044	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	30,769	91,258	104,382	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	38,312	66,779	78,908	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	28,789	70,702	97,935	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	43,589	79,212	102,088	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	26,855	76,707	88,210	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	41,581	86,239	101,407	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	30,732	61,907	75,077	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	22,928	40,115	48,885	No	No	No	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	21,136	51,463	64,688	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	19,132	29,848	32,450	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	32,980	53,342	63,657	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	35,346	58,325	71,211	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	38,803	63,370	77,617	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	27,601	54,373	69,450	Yes	Yes	Yes	Bachelor's degree	No	No	No

Wages - WFR10

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	36,380	63,415	73,426	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	41,294	61,014	66,728	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	29,517	57,284	72,866	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	37,695	58,895	71,126	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2057	Special Education Teachers, Middle School	37,778	54,917	64,458	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	38,478	58,076	69,569	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	25,493	37,603	47,920	No	No	No	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	34,051	45,144	53,360	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	30,042	45,386	51,677	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
25-3031	Substitute Teachers, Short-Term	17,397	27,279	28,688	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	19,633	56,340	79,553	No	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	25,170	40,108	46,720	No	No	No	Master's degree	No	No	No
25-4012	Curators	26,653	50,837	57,864	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	21,062	37,999	45,781	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	33,975	58,024	76,049	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	22,844	31,765	37,104	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	17,553	35,245	44,648	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	33,003	50,615	59,904	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	17,627	35,116	45,311	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	19,055	27,928	31,188	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	21,606	46,177	58,923	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	43,184	88,265	95,246	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	16,890	30,189	36,249	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	17,701	43,672	58,472	No	Yes	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	39,307	60,608	72,037	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	27,979	78,926	96,489	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	36,728	62,248	72,682	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	29,830	57,624	66,641	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	28,225	34,073	37,708	Yes	No	No	High school diploma or equivalent	Yes	No	No
27-1024	Graphic Designers	28,626	44,003	50,899	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	22,554	49,096	58,260	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	20,367	28,107	32,125	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	20,823	45,320	56,280	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	29,563	54,070	62,017	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	19,731	40,745	45,323	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	19,217	49,937	64,777	No	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	17,240	65,388	76,919	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	19,161	46,155	52,060	No	Yes	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	17,259	36,221	43,230	No	No	No	Some college, no degree	No	Yes	Yes
27-2031	Dancers	18,543	50,955	74,823	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	17,010	35,853	54,447	No	No	Yes	Some college, no degree	No	Yes	Yes
27-2041	Music Directors and Composers	17,351	60,848	70,767	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	17,451	82,639	115,855	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	17,452	23,973	27,896	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,336	54,852	67,405	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	26,524	58,380	67,718	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	33,123	48,302	56,459	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	28,825	55,390	60,605	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	33,900	45,900	52,046	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	26,174	62,837	65,747	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	27,446	43,364	55,557	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,272	25,299	32,128	No	No	No	Postsecondary nondegree award	No	No	No
27-3099	Media and Communication Workers, All Other	17,627	41,397	51,519	No	No	Yes	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	33,371	65,059	84,987	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
27-4012	Broadcast Technicians	20,316	43,036	52,541	No	Yes	Yes	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	21,744	52,043	59,780	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	23,625	36,570	31,899	No	No	No	Some college, no degree	Yes	Yes	No
27-4031	Camera Operators, Television, Video, and Film	21,569	45,919	57,100	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	29,360	49,713	59,899	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	22,775	74,837	97,161	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	57,638	96,588	100,474	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	88,449	168,496	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	58,794	216,416	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	82,481	166,620	191,560	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	73,925	197,887	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	52,743	161,453	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	35,833	59,169	75,024	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	58,044	104,120	126,417	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	59,458	115,421	131,558	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1071	Physician Assistants	86,067	119,023	137,276	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	49,603	122,221	167,596	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	62,353	95,821	113,711	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	47,978	89,082	106,054	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	53,158	78,134	90,659	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
29-1125	Recreational Therapists	26,008	47,070	56,123	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	43,721	58,045	65,608	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	46,954	84,695	105,045	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-1128	Exercise Physiologists	32,722	49,870	61,235	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	29,250	47,448	55,534	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	57,649	131,092	157,985	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1141	Registered Nurses	51,546	65,786	74,388	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	125,103	162,789	167,771	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,169	62,192	91,193	No	Yes	Yes	Master's degree	No	No	No
29-1171	Nurse Practitioners	68,543	102,843	125,612	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	40,725	67,930	76,707	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	125,416	249,985	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	61,379	173,409	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	46,951	193,116	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	114,862	226,160	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	54,180	145,760	181,632	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	43,184	293,365	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	115,311	244,881	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	47,899	225,479	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	53,796	68,099	76,374	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	66,602	88,624	99,871	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-2010	Clinical Laboratory Technologists and Technicians	27,850	49,972	63,881	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	25,408	49,126	65,982	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2032	Diagnostic Medical Sonographers	38,785	59,964	70,123	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	43,577	70,814	84,243	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	39,458	56,550	67,168	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	40,491	63,513	76,015	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	23,320	33,195	38,043	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	20,411	25,517	28,447	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	25,058	36,521	39,847	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	23,543	30,834	31,860	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	29,802	43,018	50,257	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	26,253	32,034	35,417	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	25,721	35,716	40,335	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	35,939	46,199	50,596	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	29,308	47,957	59,749	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2091	Orthotists and Prosthetists	34,204	70,417	83,172	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	26,800	58,343	67,396	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	26,067	37,071	42,342	No	No	No	Postsecondary nondegree award	Yes	No	No
29-9091	Athletic Trainers	30,668	44,989	51,086	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	54,788	74,321	85,668	Yes	Yes	Yes	Master's degree	Yes	No	No
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	28,882	54,096	69,788	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	19,353	23,985	26,573	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	22,091	28,454	31,372	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	19,580	26,091	28,669	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	23,549	27,647	29,471	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	41,493	64,789	77,269	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	17,950	26,109	29,701	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	29,875	64,785	80,269	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
31-2022	Physical Therapist Aides	18,689	26,395	30,486	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	20,385	39,586	43,705	No	No	No	Postsecondary nondegree award	No	Yes	No
31-9091	Dental Assistants	26,671	38,496	44,761	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	22,867	30,787	35,239	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	22,250	31,460	36,083	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	24,613	32,052	36,682	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	21,169	25,498	28,571	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	21,183	31,300	38,794	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	26,279	32,010	35,461	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9099	Healthcare Support Workers, All Other	21,449	32,334	40,043	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	34,093	39,898	41,726	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	50,905	77,582	91,474	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	42,846	74,169	92,845	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	26,417	41,830	52,148	No	No	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	25,160	42,686	49,539	No	No	No	Postsecondary nondegree award	No	Yes	Yes
33-2021	Fire Inspectors and Investigators	40,449	57,044	61,373	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	27,306	32,280	35,264	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	30,281	43,046	49,870	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	28,329	41,941	49,934	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	37,752	54,459	61,208	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	19,534	26,211	28,310	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	25,437	39,491	46,315	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	40,524	53,823	61,630	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	41,452	59,715	70,896	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	21,468	30,948	37,302	No	No	No	Postsecondary nondegree award	No	No	No

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	30,723	45,440	55,377	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	23,052	31,994	36,258	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	19,833	26,008	27,389	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	21,416	27,227	30,565	No	No	No	No formal educational credential	Yes	Yes	Yes
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	17,885	26,551	29,167	No	No	No	No formal educational credential	No	Yes	No
33-9093	Transportation Security Screeners	32,980	39,113	41,756	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	20,018	28,019	33,125	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	34,291	46,975	56,704	Yes	Yes	Yes	Associate's degree	Yes	No	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	21,457	32,885	40,672	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,703	19,695	20,280	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	19,140	24,464	27,902	No	No	No	No formal educational credential	No	No	No
35-2013	Cooks, Private Household	19,386	27,776	32,584	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	19,644	27,239	30,392	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	18,622	21,794	23,443	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	19,957	28,135	33,090	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	19,108	26,714	30,912	No	No	No	No formal educational credential	No	Yes	Yes
35-3011	Bartenders	18,595	27,894	33,525	No	No	No	No formal educational credential	No	Yes	Yes
35-3023	Fast Food and Counter Workers	18,613	20,880	20,745	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,560	25,874	30,028	No	No	No	No formal educational credential	No	No	Yes
35-3041	Food Servers, Nonrestaurant	19,039	22,877	24,318	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,619	21,336	21,966	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	18,696	22,152	24,414	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,747	21,929	23,924	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	17,425	25,326	28,310	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	24,147	44,876	59,334	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	29,587	48,816	57,930	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,596	28,398	33,762	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	18,848	22,769	24,448	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	19,874	33,615	48,571	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	23,217	35,223	40,415	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	20,319	27,231	30,901	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21,451	31,115	36,098	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	24,519	34,691	40,191	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	24,111	33,007	36,507	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	33,615	51,611	60,885	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	26,063	42,176	50,558	No	No	Yes	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	27,962	42,786	47,619	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
39-2021	Animal Caretakers	19,254	25,287	26,853	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	16,973	23,107	26,072	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,143	25,372	28,651	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	18,548	31,920	32,970	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	17,563	27,555	30,198	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	17,553	23,466	26,054	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,340	21,065	21,973	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	24,120	51,850	67,562	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	17,922	25,474	29,038	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	17,452	23,973	27,896	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	31,221	52,421	53,416	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
39-4021	Funeral Attendants	20,677	27,394	30,505	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	33,444	73,043	62,542	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
39-5011	Barbers	20,178	29,296	34,858	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,122	26,180	29,867	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	33,532	65,084	75,095	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	19,167	27,095	32,611	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	17,738	24,249	27,979	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,405	33,237	38,376	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	17,342	22,996	26,238	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	19,395	26,717	29,664	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	20,682	25,987	28,356	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	18,619	27,306	30,199	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	19,312	32,565	39,531	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	18,545	24,747	27,496	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	19,362	23,477	25,077	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	17,351	25,989	28,771	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	26,235	44,762	50,218	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	39,689	76,864	100,656	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	18,961	23,016	25,084	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	17,489	26,358	32,584	No	No	No	No formal educational credential	No	Yes	Yes
41-2021	Counter and Rental Clerks	19,125	27,590	31,662	No	No	No	No formal educational credential	No	Yes	Yes
41-2022	Parts Salespersons	19,473	31,864	38,233	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,159	26,698	28,914	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	19,268	51,822	57,780	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	22,788	49,697	52,890	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	33,017	53,353	57,501	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	34,260	53,167	67,045	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes

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41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	27,228	54,306	65,107	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	32,163	67,258	86,746	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	25,407	63,778	77,242	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,064	36,138	45,449	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models	19,064	36,138	45,449	No	No	No	High school diploma or equivalent	No	No	Yes
41-9021	Real Estate Brokers	37,263	96,299	157,149	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	18,410	56,289	65,075	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	51,675	102,844	132,812	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	19,507	30,251	37,266	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,314	25,391	27,583	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	18,742	33,256	35,862	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	28,884	49,580	61,053	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	22,550	31,548	36,896	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	22,223	28,927	30,051	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	27,196	37,640	44,501	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	19,558	36,619	45,417	No	No	No	High school diploma or equivalent	No	No	Yes
43-3021	Billing and Posting Clerks	26,962	36,279	39,926	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	21,472	36,240	40,990	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	18,272	25,750	29,102	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	27,608	37,849	41,213	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	25,245	40,256	45,293	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	25,797	34,272	38,691	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	23,966	33,975	43,648	No	No	No	Some college, no degree	Yes	No	Yes
43-4011	Brokerage Clerks	32,556	50,017	59,752	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks										
43-4031	Court, Municipal, and License Clerks	26,250	35,098	39,264	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	26,550	34,856	39,235	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	21,869	31,906	36,619	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	24,700	33,385	39,822	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	25,277	32,685	37,825	No	No	No	High school diploma or equivalent	Yes	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	18,888	22,929	24,931	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	21,674	32,232	36,692	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	19,714	24,512	26,813	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	29,922	44,378	53,584	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	27,435	37,483	42,631	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	21,809	29,533	32,597	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	23,785	34,656	39,834	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	20,008	26,679	30,255	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	20,286	27,716	25,519	No	No	No	High school diploma or equivalent	No	No	No
43-4199	Information and Record Clerks, All Other	24,027	33,985	38,350	No	No	No	High school diploma or equivalent	No	No	No
43-5011	Cargo and Freight Agents	24,967	41,001	47,282	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	23,468	28,341	30,755	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	26,716	34,549	39,087	No	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	24,001	34,549	38,879	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	22,805	35,635	38,718	No	No	No	High school diploma or equivalent	No	No	No
43-5051	Postal Service Clerks	37,762	51,742	62,992	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,610	55,171	68,339	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	31,718	47,531	58,002	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	26,861	42,106	51,700	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	21,576	30,180	32,344	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	30,307	35,263	38,686	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	28,913	45,490	51,967	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	24,850	36,281	41,345	No	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	25,314	33,265	37,042	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	21,541	32,850	38,225	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	24,779	36,891	47,072	No	No	No	High school diploma or equivalent	Yes	No	Yes
43-9022	Word Processors and Typists	20,314	30,667	38,401	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	26,496	48,737	53,259	No	Yes	Yes	Associate's degree	No	Yes	No
43-9041	Insurance Claims and Policy Processing Clerks	22,102	32,911	37,659	No	No	No	High school diploma or equivalent	No	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	18,953	29,139	34,297	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	20,038	34,219	39,392	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	20,828	27,945	32,160	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	24,507	38,984	51,684	No	No	Yes	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	30,207	50,938	62,413	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	23,765	36,669	41,991	No	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	35,948	55,916	66,755	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	18,889	34,361	43,469	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	20,141	36,627	42,106	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	23,613	31,221	35,052	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	21,348	30,898	35,319	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	19,292	34,207	41,190	No	No	No	No formal educational credential	No	Yes	Yes
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	21,909	28,261	30,757	No	No	No	No formal educational credential	Yes	Yes	Yes

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May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	18,279	21,765	19,865	No	No	No	No formal educational credential	No	No	No
45-3031	Fishing and Hunting Workers	19,322	29,692	38,054	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	33,376	38,109	41,406	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	25,253	34,591	37,934	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	17,305	33,385	42,512	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	21,265	30,696	35,742	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,171	43,644	54,972	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	33,877	55,154	62,452	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	32,298	47,798	56,086	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	29,178	42,218	49,207	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2022	Stonemasons	30,309	36,424	40,135	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	27,131	39,967	40,915	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
47-2041	Carpet Installers	18,511	24,175	28,653	No	No	No	No formal educational credential	No	No	No
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,121	36,838	47,982	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	24,092	32,970	37,658	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	27,134	36,304	40,483	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	31,239	42,086	48,976	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	31,331	41,250	46,389	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	22,673	30,853	35,507	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	24,606	32,899	40,179	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	31,009	46,647	55,571	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	27,164	36,111	40,353	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	21,394	34,407	42,005	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	17,415	37,870	46,407	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	29,956	42,191	48,259	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	25,630	31,335	35,237	No	No	No	High school diploma or equivalent	Yes	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	25,280	36,277	42,650	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	26,947	36,737	42,493	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	25,023	32,759	37,323	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	30,410	44,096	56,446	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	26,722	33,636	37,976	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	29,388	47,591	53,198	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	24,915	39,920	46,473	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	29,130	41,876	48,157	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	22,159	35,269	40,574	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	21,526	33,347	38,067	No	No	No	High school diploma or equivalent	No	No	No
47-2221	Structural Iron and Steel Workers	37,549	46,228	49,256	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	23,494	33,256	37,198	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	21,530	28,389	31,960	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	24,204	30,062	33,751	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	20,192	27,665	31,552	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	18,234	25,108	29,499	No	No	No	No formal educational credential	No	No	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	19,397	33,249	44,442	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	22,748	31,497	36,056	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	21,237	29,093	33,468	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	35,157	64,799	75,937	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	38,155	71,522	90,051	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	23,696	35,448	43,543	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	24,884	36,654	43,469	No	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	24,437	31,169	34,446	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	31,543	44,344	50,846	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	25,884	33,432	37,983	No	No	No	High school diploma or equivalent	Yes	No	No
47-4090	Miscellaneous Construction and Related Workers	21,727	29,613	32,032	No	No	No	High school diploma or equivalent	No	No	No
47-5011	Derrick Operators, Oil and Gas	21,827	31,589	36,940	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	31,653	41,692	47,190	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	22,969	49,925	64,532	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	25,621	35,684	39,792	No	No	No	High school diploma or equivalent	Yes	No	No
47-5041	Continuous Mining Machine Operators	33,431	53,204	63,473	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	33,431	53,204	63,473	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	28,246	34,536	36,654	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	31,653	41,692	47,190	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	21,827	31,589	36,940	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	31,113	41,563	48,056	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	32,851	52,301	67,074	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	32,964	58,890	76,725	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	19,700	32,387	38,165	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	28,872	53,185	67,847	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	26,919	46,642	63,993	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	31,377	54,254	65,922	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	26,072	39,942	47,264	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	31,147	50,726	63,896	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	32,316	50,551	59,549	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	39,104	66,125	83,973	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	23,521	35,043	41,812	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	22,352	40,522	51,436	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	26,128	41,655	50,478	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	21,161	40,805	53,647	No	No	Yes	Associate's degree	No	No	No
49-3021	Automotive Body and Related Repairers	29,949	47,985	50,606	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	20,151	34,536	39,822	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	25,730	38,604	46,078	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	33,172	45,664	52,090	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	24,479	39,150	47,466	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	34,405	48,546	54,213	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	33,689	51,666	58,601	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	26,330	38,459	40,102	No	No	No	Postsecondary nondegree award	Yes	Yes	No
49-3052	Motorcycle Mechanics	23,632	33,965	39,979	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	19,702	33,300	39,925	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	20,583	27,712	31,524	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	28,503	47,437	59,968	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	19,341	28,236	32,020	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	22,407	37,133	43,681	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	30,353	54,421	64,856	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	26,225	37,216	44,108	No	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9031	Home Appliance Repairers	32,280	51,049	60,730	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9041	Industrial Machinery Mechanics	26,960	42,779	50,685	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	26,583	39,426	50,081	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9044	Millwrights	29,618	46,214	56,989	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	22,057	31,267	35,466	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	31,679	54,495	68,832	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	30,642	44,180	53,817	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	17,913	38,257	50,644	No	No	Yes	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	27,754	40,624	48,770	Yes	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	21,873	32,528	37,078	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,206	40,347	50,109	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	35,346	52,393	60,047	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	20,077	31,350	36,555	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	41,480	67,921	82,518	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18,005	28,402	34,343	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	31,257	46,380	47,107	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	18,219	30,810	38,336	No	No	No	High school diploma or equivalent	No	No	No
49-9095	Manufactured Building and Mobile Home Installers	19,672	27,076	29,590	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	30,033	45,339	54,889	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	36,571	61,078	73,529	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	21,762	29,735	31,531	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	23,618	36,444	40,721	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	36,217	57,853	66,751	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	17,747	38,054	49,170	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	17,286	33,016	46,066	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	19,911	30,511	34,849	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	23,586	27,942	29,314	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	28,495	36,794	39,506	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2051	Fiberglass Laminators and Fabricators	22,425	32,376	37,430	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters	25,262	32,482	37,446	No	No	No	High school diploma or equivalent	Yes	No	No
51-2090	Miscellaneous Assemblers and Fabricators	21,626	29,300	33,310	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	21,452	30,351	36,492	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	28,527	37,966	43,554	Yes	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	26,509	34,172	38,507	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	20,648	26,367	28,946	No	No	No	No formal educational credential	Yes	Yes	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	23,613	31,221	35,052	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	23,413	34,209	39,059	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	17,940	25,888	30,060	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	19,524	25,207	28,273	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	23,779	32,823	37,271	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	24,378	32,924	36,433	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	24,544	33,772	39,500	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	23,956	32,250	37,102	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30,880	50,791	62,017	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,445	30,207	35,190	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,265	35,116	41,287	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	31,156	41,038	46,573	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Wages - WFR10

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	28,290	39,844	46,782	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	28,292	39,104	45,477	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4052	Pourers and Casters, Metal	24,194	38,192	45,781	No	No	No	High school diploma or equivalent	No	No	Yes
51-4061	Model Makers, Metal and Plastic	30,880	50,791	62,017	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	27,564	49,133	58,011	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	19,801	34,775	44,132	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	20,890	28,351	29,910	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24,248	30,848	32,772	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	27,564	49,133	58,011	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	28,044	38,223	41,393	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	23,254	32,851	37,723	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	20,657	32,151	36,977	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	26,468	42,235	52,541	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	26,339	35,871	38,828	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	24,249	33,164	36,746	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	19,626	31,571	35,890	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	21,699	33,125	42,514	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	22,350	33,608	36,308	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	19,322	29,369	35,392	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,584	23,999	25,521	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	19,867	22,860	24,341	No	No	No	No formal educational credential	Yes	No	No
51-6031	Sewing Machine Operators	19,966	27,979	30,907	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	18,244	28,550	34,361	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	17,563	27,500	33,182	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	19,524	26,284	31,313	No	No	No	No formal educational credential	No	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	18,447	27,371	31,994	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	23,761	28,651	32,584	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	19,506	28,909	33,928	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	17,563	24,359	27,739	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	19,414	41,673	64,872	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	35,107	63,473	75,620	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	17,342	27,270	29,010	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	23,666	30,420	34,710	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,231	25,382	31,009	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	22,622	30,862	35,875	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	18,336	34,002	42,143	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	20,040	28,347	31,524	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	21,833	29,712	31,910	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	21,035	37,612	52,357	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	64,863	88,688	100,523	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	46,822	74,948	93,956	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	41,480	67,921	82,518	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	35,963	53,692	60,599	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	28,052	43,189	51,876	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	29,351	47,862	58,260	Yes	Yes	Yes	Associate's degree	No	No	Yes
51-8092	Gas Plant Operators	30,484	44,169	53,057	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	27,997	47,245	54,991	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	36,092	55,175	59,098	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	24,645	41,185	52,089	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	22,729	35,346	42,576	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	24,598	33,488	38,409	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,237	30,907	35,024	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	27,463	38,437	46,459	Yes	No	No	High school diploma or equivalent	Yes	No	Yes
51-9031	Cutters and Trimmers, Hand	19,340	32,648	38,911	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	21,587	32,132	37,732	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	21,965	31,303	35,558	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,200	30,355	34,941	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	26,318	37,774	43,949	No	No	No	Postsecondary nondegree award	Yes	Yes	No
51-9071	Jewelers and Precious Stone and Metal Workers	30,036	40,312	46,430	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9081	Dental Laboratory Technicians	20,372	39,021	47,706	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	23,558	42,502	49,944	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	20,326	31,571	35,632	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	20,981	28,167	32,230	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,161	30,254	39,012	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	24,139	33,364	38,324	No	No	No	High school diploma or equivalent	No	No	No
51-9141	Semiconductor Processing Technicians	26,146	38,515	45,155	No	No	No	High school diploma or equivalent	Yes	Yes	Yes

Wages - WFR10

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	22,278	38,708	46,389	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9161	Computer Numerically Controlled Tool Operators	29,239	36,364	39,848	Yes	No	No	Postsecondary nondegree award	Yes	No	No
51-9162	Computer Numerically Controlled Tool Programmers	32,867	43,795	49,316	Yes	Yes	No	Associate's degree	Yes	No	No
51-9191	Adhesive Bonding Machine Operators and Tenders	19,874	31,948	38,717	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,048	31,957	36,709	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	19,994	34,214	42,272	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,213	24,608	30,585	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	22,057	31,267	35,466	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	23,696	33,901	38,146	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	24,157	34,757	42,198	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	20,828	28,951	31,574	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	19,155	25,462	29,835	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	32,049	58,619	72,765	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	34,855	52,923	62,420	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	90,420	211,572	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	52,727	69,356	78,069	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	64,016	112,956	139,986	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	23,411	42,944	55,635	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	28,366	53,637	61,953	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,187	26,874	29,167	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,834	36,198	47,191	No	No	No	High school diploma or equivalent	No	No	Yes
53-3032	Heavy and Tractor-Trailer Truck Drivers	27,059	42,386	55,762	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	19,006	33,082	39,393	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	27,023	34,632	39,720	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19,664	29,499	32,212	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,096	26,449	30,614	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	49,317	61,925	68,216	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	49,769	62,533	71,181	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	32,013	52,301	62,524	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	49,769	62,533	71,181	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	20,620	38,855	54,760	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-4099	Rail Transportation Workers, All Other	26,680	50,975	66,539	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	21,956	37,898	44,906	No	No	No	High school diploma or equivalent	No	No	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	20,593	74,699	97,410	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	18,401	40,449	51,528	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	30,300	67,589	82,794	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	23,659	36,783	45,164	No	No	No	High school diploma or equivalent	No	No	Yes
53-6021	Parking Attendants	17,553	22,748	26,128	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	19,223	24,874	29,284	No	No	No	No formal educational credential	No	No	No
53-6041	Traffic Technicians	26,533	44,086	51,169	No	Yes	Yes	Associate's degree	No	No	No
53-6051	Transportation Inspectors	48,470	85,170	112,799	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,314	22,646	24,415	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	20,768	30,576	35,825	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	18,428	31,285	37,529	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	32,970	56,234	68,354	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	31,442	44,372	51,519	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	24,848	38,275	40,228	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	22,117	32,148	38,229	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	18,824	25,424	29,283	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	20,992	27,548	31,261	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	18,428	29,904	35,742	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,796	23,929	25,604	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	20,960	27,640	31,416	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	18,695	37,511	44,685	No	No	No	High school diploma or equivalent	No	No	Yes
53-7073	Wellhead Pumpers	23,098	36,645	45,026	No	No	No	High school diploma or equivalent	No	No	Yes
53-7081	Refuse and Recyclable Material Collectors	21,461	32,702	41,288	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	18,428	31,285	37,529	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	18,998	32,093	44,679	No	No	No	No formal educational credential	No	Yes	Yes

Workforce Region 10 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	26,761	42,752	49,700	
1	No formal educational credential	19,811	26,328	29,401	83
2	High school diploma or equivalent	24,747	38,475	44,643	229
3	Some college, no degree	21,471	34,162	38,425	48
4	Postsecondary nondegree award	25,599	37,172	44,345	85
5	Associate's degree	31,076	47,974	55,603	63
6	Bachelor's degree	37,695	69,515	83,654	172
7	Master's degree	48,830	77,819	93,324	39
8	Doctoral or professional degree	60,563	130,323	143,386	63

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	462	320	433	349	420	362
No formal educational credential	48.2%	51.8%	30.1%	69.9%	28.9%	71.1%
High school diploma or equivalent	68.6%	31.4%	74.2%	25.8%	69.4%	30.6%
Some college, no degree	27.1%	72.9%	22.9%	77.1%	20.8%	79.2%
Postsecondary nondegree award	37.6%	62.4%	28.2%	71.8%	36.5%	63.5%
Associate's degree	57.1%	42.9%	44.4%	55.6%	42.9%	57.1%
Bachelor's degree	61.0%	39.0%	60.5%	39.5%	57.6%	42.4%
Master's degree	69.2%	30.8%	66.7%	33.3%	66.7%	33.3%
Doctoral or professional degree	82.5%	17.5%	71.4%	28.6%	69.8%	30.2%

Workforce Region 11 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	47,474	182,613	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	32,837	94,508	115,555	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	18,648	45,208	47,600	No	Yes	No	Bachelor's degree	No	No	No
11-2011	Advertising and Promotions Managers	46,245	105,459	122,468	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	53,925	97,523	119,135	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	51,667	128,071	162,404	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	55,325	83,433	96,551	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	41,932	88,122	107,590	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	70,150	111,462	137,817	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	65,250	124,830	142,181	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	58,625	113,803	131,569	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	59,951	123,569	180,352	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	57,765	94,415	114,185	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	62,825	101,552	120,333	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	68,680	92,850	103,622	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	59,391	112,788	142,943	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	35,220	75,718	80,273	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
11-9021	Construction Managers	55,598	112,265	140,646	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	26,996	42,494	47,922	No	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	56,518	80,224	94,579	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	44,968	93,338	110,595	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9039	Education Administrators, All Other	39,544	89,501	115,239	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9041	Architectural and Engineering Managers	63,610	102,250	119,418	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	35,908	51,454	56,650	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	43,901	83,875	92,242	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	34,007	62,038	75,216	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	53,931	95,507	116,488	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	49,427	89,878	111,119	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	82,254	90,829	94,479	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	29,977	53,231	55,042	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	46,895	70,497	86,651	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9161	Emergency Management Directors	46,102	78,920	95,567	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	40,146	78,072	95,529	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	44,548	86,650	113,807	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	20,607	29,364	36,546	No	No	No	Bachelor's degree	No	No	No
13-1020	Buyers and Purchasing Agents	28,848	52,060	66,228	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	37,845	70,491	83,126	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	46,731	65,494	76,795	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	28,775	45,871	54,579	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	36,357	64,814	79,929	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	32,848	53,296	64,620	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	42,615	58,021	72,596	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1081	Logisticians	42,810	61,204	67,266	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1111	Management Analysts	38,951	85,726	100,768	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	26,422	37,474	42,088	No	No	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	30,858	51,136	52,817	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	36,837	53,875	61,686	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	33,566	54,299	59,265	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	19,384	59,159	64,728	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	32,055	67,630	82,960	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2011	Accountants and Auditors	30,991	66,223	76,825	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	44,005	62,245	69,391	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2031	Budget Analysts	42,885	60,234	64,255	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	44,782	69,949	81,239	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
13-2052	Personal Financial Advisors	36,295	116,128	150,192	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	32,933	66,818	84,904	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2061	Financial Examiners	43,891	79,454	95,825	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	32,925	38,659	39,731	Yes	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	36,163	81,093	91,105	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2081	Tax Examiners and Collectors, and Revenue Agents	26,996	46,350	53,716	No	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	18,401	25,131	35,030	No	No	No	Postsecondary nondegree award	No	No	No
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	31,737	64,954	72,181	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	40,823	66,921	78,856	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1212	Information Security Analysts	43,269	79,618	101,586	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	69,629	114,321	133,550	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	38,903	61,121	74,954	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	24,851	41,660	50,116	No	No	No	Postsecondary nondegree award	No	Yes	Yes
15-1241	Computer Network Architects	45,903	72,575	81,195	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
15-1244	Network and Computer Systems Administrators	39,486	66,869	77,864	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1245	Database Administrators and Architects	37,539	70,979	92,276	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1251	Computer Programmers	26,161	40,605	53,190	No	No	Yes	Bachelor's degree	No	No	No
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	44,229	76,131	94,604	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	28,831	52,753	52,834	Yes	Yes	Yes	Associate's degree	No	Yes	No

Workforce Region 11 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	18,974	56,384	75,994	No	Yes	Yes	Bachelor's degree	No	No	No
15-2011	Actuaries	47,112	111,271	137,219	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	67,113	100,608	113,777	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	34,000	67,314	85,657	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-2041	Statisticians	28,120	68,876	90,812	Yes	Yes	Yes	Master's degree	No	No	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	49,170	88,554	112,872	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	44,491	79,778	96,911	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	48,434	67,433	78,960	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1021	Cartographers and Photogrammetrists	34,116	49,649	59,165	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1022	Surveyors	29,292	53,900	73,129	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	63,616	104,382	124,421	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	41,671	76,871	95,053	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	59,404	86,839	104,258	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	47,684	93,090	117,713	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	50,029	84,316	100,888	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	60,596	97,778	118,504	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	36,567	72,384	85,301	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2072	Electronics Engineers, Except Computer	57,401	104,840	123,179	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	45,556	72,492	81,032	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	54,459	78,368	93,443	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	40,042	77,788	94,633	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	46,188	76,528	91,489	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	48,560	91,641	111,691	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	54,043	91,315	106,362	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	70,048	112,577	137,800	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	82,026	103,457	116,855	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	70,506	153,142	188,285	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	46,843	85,157	98,917	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	29,314	54,250	67,327	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3012	Electrical and Electronics Drafters	20,939	47,161	66,674	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	25,357	47,773	61,911	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3019	Drafters, All Other	31,970	52,591	60,634	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	38,802	65,427	84,390	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	27,892	42,803	55,166	Yes	No	Yes	Associate's degree	No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	34,617	50,287	60,014	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	33,636	48,017	52,302	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
17-3025	Environmental Engineering Technologists and Technicians	25,872	41,671	49,885	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	24,253	39,588	46,625	No	No	No	Associate's degree	No	No	No
17-3027	Mechanical Engineering Technologists and Technicians	31,749	46,535	53,879	Yes	Yes	Yes	Associate's degree	No	No	No
17-3031	Surveying and Mapping Technicians	21,708	35,854	41,828	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	43,188	55,774	60,730	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	39,622	61,739	73,908	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	30,588	55,431	69,763	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	30,341	68,857	93,452	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1021	Biochemists and Biophysicists	42,023	76,128	86,696	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	34,505	59,852	73,069	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	30,903	50,600	56,946	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	36,296	67,904	87,734	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1031	Conservation Scientists	32,237	66,294	82,856	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1032	Foresters	44,253	72,307	92,480	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1041	Epidemiologists	31,360	52,629	65,532	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	39,498	83,789	99,408	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	48,046	99,398	124,660	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	81,636	139,296	158,164	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	81,636	139,296	158,164	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	56,412	94,329	110,871	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	34,572	61,892	76,061	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	47,331	98,340	127,881	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	34,347	53,867	59,332	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	49,418	86,286	109,623	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	44,701	91,241	107,221	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	45,244	111,652	130,701	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	50,399	89,936	101,437	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	28,120	68,876	90,812	Yes	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	49,937	75,383	75,106	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	28,120	68,876	90,812	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	68,804	97,905	111,205	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
19-3041	Sociologists	50,542	72,192	87,572	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3051	Urban and Regional Planners	41,724	71,006	84,440	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	31,360	52,629	65,532	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	23,794	55,831	81,988	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	52,096	79,111	93,461	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	18,382	34,762	42,100	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	18,696	28,250	35,433	No	No	No	Bachelor's degree	No	No	No

Workforce Region 11 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
19-4031	Chemical Technicians	29,835	39,200	41,320	Yes	No	No	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	24,928	44,472	50,838	No	Yes	Yes	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	25,081	44,367	53,725	No	Yes	Yes	Associate's degree	No	No	No
19-4051	Nuclear Technicians	67,113	91,765	104,010	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	25,690	51,257	59,433	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	29,750	44,796	53,563	Yes	Yes	Yes	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	32,332	52,000	62,034	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	18,397	42,302	59,937	No	No	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	35,390	60,971	76,604	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	25,757	47,884	62,082	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	29,075	46,435	51,563	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	28,549	40,461	47,607	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	19,202	28,029	32,732	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	28,694	46,385	51,288	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	22,708	34,591	38,536	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	28,035	40,491	47,665	Yes	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	30,017	53,532	64,296	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	27,495	36,710	39,694	Yes	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	33,266	50,285	63,588	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	24,120	51,587	70,676	No	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	29,908	38,828	42,102	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	22,447	32,895	38,144	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	26,586	45,064	53,277	No	Yes	Yes	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	24,113	39,505	44,791	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	32,722	48,876	59,233	Yes	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	32,020	47,316	58,837	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	18,706	41,452	54,954	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	50,527	109,246	148,551	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
23-1012	Judicial Law Clerks	28,892	48,932	55,355	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	37,021	97,740	119,695	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	24,337	67,923	96,082	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	139,192	178,937	163,233	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	31,218	43,556	47,897	Yes	Yes	No	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	32,142	50,066	58,537	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	24,662	65,065	127,790	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	56,698	104,029	122,344	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	44,491	94,186	117,884	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	40,670	79,273	104,620	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	25,271	86,419	107,841	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	51,610	105,487	129,215	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	52,829	99,646	121,286	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	40,346	85,829	105,096	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	65,789	107,822	126,813	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	45,501	90,679	112,339	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	49,894	83,913	99,112	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	22,327	71,697	84,161	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	46,531	90,279	114,073	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	55,497	88,706	100,237	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	41,366	76,623	93,071	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	56,698	104,029	122,344	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	50,047	83,303	98,121	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	50,495	89,764	101,132	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	40,022	77,757	92,775	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	41,013	77,424	94,405	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	42,071	80,178	106,373	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	47,048	113,187	120,216	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	54,764	111,157	118,590	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	40,451	65,217	77,395	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	41,823	67,666	79,749	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	37,878	85,295	92,871	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	53,554	144,966	192,135	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	35,143	71,240	83,856	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	20,106	86,163	116,380	No	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	39,641	69,096	81,645	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	29,788	73,155	101,332	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	45,101	81,960	105,630	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	27,787	79,368	91,270	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	43,024	89,230	104,925	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	31,799	64,055	77,681	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	30,236	53,334	63,216	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	21,869	53,249	66,932	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	18,708	27,868	30,878	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	34,124	55,193	65,865	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	41,180	46,690	50,014	Yes	Yes	No	Bachelor's degree	Yes	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	41,127	46,181	49,672	Yes	Yes	No	Bachelor's degree	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	28,559	56,260	71,859	Yes	Yes	Yes	Bachelor's degree	No	No	No

Workforce Region 11 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	41,604	47,034	49,930	Yes	Yes	No	Bachelor's degree	Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	41,585	62,158	70,725	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	30,541	59,271	75,394	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	39,003	60,939	73,593	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2057	Special Education Teachers, Middle School	39,088	56,822	66,694	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	39,813	60,091	71,983	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	26,701	49,389	60,043	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	30,255	44,873	55,402	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	19,655	40,998	52,779	No	No	Yes	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	20,640	23,334	24,575	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	29,529	42,347	48,404	Yes	No	No	Bachelor's degree	No	No	No
25-4011	Archivists	25,758	32,309	31,036	No	No	No	Master's degree	No	No	No
25-4012	Curators	50,635	67,038	76,079	Yes	Yes	Yes	Master's degree	Yes	No	No
25-4013	Museum Technicians and Conservators	21,793	39,317	47,369	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	36,287	56,153	64,125	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	23,627	32,444	37,584	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	22,007	35,388	43,684	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	26,835	54,269	70,246	No	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	18,599	39,140	53,342	No	No	Yes	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	20,838	26,151	29,256	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	22,355	47,779	60,967	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	66,322	82,381	91,488	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	17,476	31,236	37,507	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,315	45,187	60,500	No	Yes	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	40,670	62,711	74,537	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	28,949	81,664	99,836	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	38,002	64,407	75,204	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	30,865	59,624	68,953	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	21,998	30,334	32,410	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	32,768	46,098	51,668	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	31,513	54,499	60,949	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	22,719	32,646	36,386	No	No	No	Some college, no degree	Yes	No	No
27-1027	Set and Exhibit Designers	21,545	46,893	58,232	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	30,588	55,945	64,169	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	20,415	42,158	46,895	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	31,341	69,772	82,446	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-2021	Athletes and Sports Competitors	17,838	67,657	79,587	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	21,968	46,062	52,133	No	Yes	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	18,209	23,663	20,061	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	19,186	52,723	77,419	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	17,600	37,097	56,336	No	No	Yes	Some college, no degree	No	Yes	Yes
27-2041	Music Directors and Composers	28,954	59,653	75,789	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,057	85,506	119,875	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,058	24,804	28,864	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,972	56,755	69,743	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	29,952	43,746	52,785	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	26,618	49,172	63,280	No	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	27,559	51,779	68,591	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	33,714	46,339	49,330	Yes	Yes	No	Bachelor's degree	No	No	No
27-3043	Writers and Authors	27,082	65,017	68,028	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	19,013	44,278	56,750	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,477	48,741	80,102	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	18,239	42,833	53,306	No	No	Yes	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	26,276	35,146	38,373	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	21,021	44,529	54,364	No	Yes	Yes	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	22,498	53,849	61,853	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	18,794	28,143	32,303	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	22,317	47,512	59,080	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	30,379	51,438	61,977	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	23,565	77,433	100,532	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	33,190	80,759	91,375	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	85,295	105,418	115,067	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1022	Oral and Maxillofacial Surgeons	60,834	223,924	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	85,343	172,400	198,205	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	76,490	204,752	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	54,573	167,055	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	43,116	60,059	70,409	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041	Optometrists	42,450	132,111	157,056	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1051	Pharmacists	61,767	108,096	128,027	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1071	Physician Assistants	87,855	117,041	133,643	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	51,324	126,461	173,411	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	71,906	94,951	103,875	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	66,466	92,189	105,799	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1124	Radiation Therapists	59,047	81,967	97,005	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 11 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
29-1125	Recreational Therapists	35,634	50,329	58,007	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	43,747	56,559	63,042	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	43,185	70,497	94,316	Yes	Yes	Yes	Master's degree	No	No	Yes
29-1128	Exercise Physiologists	33,857	51,600	63,359	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	30,264	49,094	57,460	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	87,021	115,742	132,358	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	44,092	60,641	66,821	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	129,443	168,436	173,592	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,869	64,350	94,357	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	73,819	108,275	126,131	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	42,138	70,287	79,368	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	129,767	258,658	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	64,887	220,222	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	48,579	199,816	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	118,847	234,006	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	56,060	150,817	187,933	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	44,682	192,040	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	139,191	253,472	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	49,561	233,301	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	54,550	63,324	67,625	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	20,650	64,169	77,357	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	28,233	51,066	63,658	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	25,664	45,069	60,374	No	Yes	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	52,215	62,817	69,403	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	54,462	66,782	76,657	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	36,566	55,217	65,611	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	49,030	67,104	77,182	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	26,700	36,855	42,959	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2051	Dietetic Technicians	19,735	28,473	30,817	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	23,336	31,084	35,252	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	21,812	33,497	40,081	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	27,603	43,022	49,196	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	21,350	38,668	43,220	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	27,284	41,404	49,561	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	32,792	43,719	49,461	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	26,765	44,324	58,105	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2091	Orthotists and Prosthetists	35,391	72,859	86,057	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-2092	Hearing Aid Specialists	27,730	60,367	69,734	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	26,252	39,028	45,515	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	36,250	49,082	53,898	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	56,689	76,900	88,640	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	19,126	36,411	46,803	No	No	No	Postsecondary nondegree award	No	No	Yes
31-1120	Home Health and Personal Care Aides	19,879	29,893	36,796	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,771	27,604	30,464	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	20,259	26,996	29,664	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	24,366	28,606	30,493	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	50,734	64,638	75,138	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	18,572	27,015	30,731	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	35,399	55,976	64,254	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	23,707	30,606	32,512	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	18,839	38,621	47,693	No	No	No	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	24,618	35,647	40,088	No	No	No	Postsecondary nondegree award	No	No	No
31-9092	Medical Assistants	26,232	31,765	35,016	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9093	Medical Equipment Preparers	22,653	30,000	33,085	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	25,172	35,188	39,451	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	20,516	31,055	37,106	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	22,667	30,343	35,513	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	23,633	31,609	36,672	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	21,272	27,584	26,316	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	32,732	45,654	47,083	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	37,842	63,548	79,151	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	40,568	58,217	67,102	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	27,743	44,615	57,735	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	26,034	36,188	42,015	No	No	No	Postsecondary nondegree award	Yes	No	No
33-2021	Fire Inspectors and Investigators	41,852	59,023	63,502	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	28,254	33,399	36,487	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	29,597	47,692	58,204	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,268	35,644	37,160	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	41,228	53,433	60,034	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	20,211	27,120	29,292	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	26,319	40,861	47,922	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	34,694	47,592	52,170	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
33-3052	Transit and Railroad Police	42,890	61,787	73,355	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	27,330	34,323	38,761	Yes	No	No	Postsecondary nondegree award	Yes	No	No

Workforce Region 11 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	48,938	64,109	67,055	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	23,851	33,104	37,516	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	20,017	26,043	28,518	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	20,273	26,278	29,828	No	No	No	No formal educational credential	Yes	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	22,887	29,267	30,890	No	No	No	No formal educational credential	Yes	Yes	Yes
33-9093	Transportation Security Screeners	40,155	45,064	47,996	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
33-9098	School Bus Monitors and Protective Service Workers, All Other	19,744	33,295	38,278	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	25,395	39,041	41,796	No	No	No	Associate's degree	No	No	No
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	23,210	35,948	40,971	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,949	23,224	25,843	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	20,142	26,771	30,387	No	No	No	No formal educational credential	Yes	No	Yes
35-2013	Cooks, Private Household	20,059	28,740	33,714	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	23,232	32,429	36,941	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	20,273	28,440	33,514	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2019	Cooks, All Other	20,650	29,111	34,238	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	19,376	26,353	30,234	No	No	No	No formal educational credential	No	No	Yes
35-3011	Bartenders	18,653	25,835	27,681	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,591	21,219	22,088	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,756	25,257	29,364	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	19,082	23,331	24,630	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,801	21,271	22,719	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	19,656	24,357	27,030	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	19,016	23,581	26,175	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	18,029	26,205	29,292	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	30,598	44,029	54,867	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	32,718	50,677	64,800	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,426	25,216	28,269	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,695	23,756	25,120	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	20,564	34,781	50,256	No	No	Yes	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	24,396	39,238	47,852	No	No	No	High school diploma or equivalent	No	No	Yes
37-3011	Landscaping and Groundskeeping Workers	21,292	28,250	31,584	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21,564	32,428	37,507	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	21,183	34,419	43,319	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	24,947	34,152	37,773	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	34,781	53,401	62,997	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	25,811	39,691	43,911	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	29,978	43,419	51,261	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
39-2021	Animal Caretakers	19,105	31,340	43,797	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	17,562	23,909	26,977	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,772	26,253	29,645	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,192	33,028	34,114	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	18,172	28,511	31,246	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	18,613	26,533	32,010	No	No	No	No formal educational credential	No	No	Yes
39-3091	Amusement and Recreation Attendants	19,160	25,142	25,866	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	24,957	53,649	69,905	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	18,544	26,357	30,045	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,058	24,804	28,864	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	32,304	54,240	55,269	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
39-4021	Funeral Attendants	20,297	28,559	30,179	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	32,215	43,639	49,912	Yes	Yes	No	Associate's degree	No	No	No
39-5011	Barbers	20,878	30,312	36,068	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	18,754	26,225	29,924	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	34,695	67,342	77,700	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	18,944	24,025	25,261	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	18,353	25,090	28,949	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	21,557	32,369	37,972	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	20,608	30,111	36,124	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	18,628	25,735	30,169	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	18,322	23,725	25,729	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,759	24,297	25,056	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	18,572	35,349	48,035	No	No	No	Postsecondary nondegree award	No	No	Yes
39-9032	Recreation Workers	19,393	28,503	32,401	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	21,212	38,577	46,248	No	No	No	Some college, no degree	No	Yes	Yes
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	17,953	26,891	29,769	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	26,488	48,490	57,895	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	37,263	68,482	78,203	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,280	24,091	26,589	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,096	27,272	33,714	No	No	No	No formal educational credential	No	Yes	Yes
41-2021	Counter and Rental Clerks	20,667	29,900	32,974	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	19,783	32,791	37,996	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,010	27,462	30,474	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	24,062	54,762	63,571	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-3021	Insurance Sales Agents	19,327	55,257	62,632	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	35,240	60,238	56,611	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	27,131	42,867	47,177	Yes	No	No	Some college, no degree	Yes	Yes	Yes

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	25,863	59,450	57,087	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	23,186	83,147	93,837	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	28,020	68,202	84,482	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,725	37,392	47,026	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models	19,725	37,392	47,026	No	No	No	High school diploma or equivalent	No	No	Yes
41-9021	Real Estate Brokers	33,948	50,979	61,425	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	18,990	40,552	56,028	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	53,468	106,411	137,419	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	19,201	24,562	26,191	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,915	26,272	28,540	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,570	32,584	37,836	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	30,274	51,520	62,582	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	20,112	27,315	30,432	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	22,994	29,931	31,093	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	28,139	38,945	46,045	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	23,427	36,149	39,984	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	27,058	35,348	40,091	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	23,213	36,179	41,546	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	18,906	26,643	30,112	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	29,388	42,314	48,574	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	31,516	44,239	53,922	Yes	Yes	Yes	Associate's degree	No	No	No
43-3071	Tellers	27,462	33,721	37,850	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	29,197	44,634	52,181	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	33,685	51,753	61,825	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	27,901	39,898	46,397	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4031	Court, Municipal, and License Clerks	27,641	37,520	39,680	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	26,712	34,998	38,466	No	No	No	Some college, no degree	Yes	Yes	No
43-4051	Customer Service Representatives	21,281	31,793	36,461	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	25,557	34,543	41,204	No	No	No	High school diploma or equivalent	Yes	No	No
43-4071	File Clerks	25,241	34,144	38,559	No	No	No	High school diploma or equivalent	Yes	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	18,815	23,852	25,910	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	27,555	34,007	37,368	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4121	Library Assistants, Clerical	18,840	26,728	30,358	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	28,644	43,743	56,635	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	28,387	38,783	44,110	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	21,086	33,528	40,106	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	27,227	36,000	41,793	Yes	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	20,652	28,621	32,575	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	19,228	28,998	36,168	No	No	No	High school diploma or equivalent	No	No	No
43-4199	Information and Record Clerks, All Other	29,254	40,202	46,382	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5011	Cargo and Freight Agents	23,756	33,457	37,254	No	No	No	High school diploma or equivalent	No	No	No
43-5021	Couriers and Messengers	20,919	28,726	31,794	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	29,065	38,212	41,901	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	22,908	34,654	40,266	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	28,686	39,148	45,868	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,762	51,633	62,993	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,061	52,945	65,033	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	48,204	60,405	64,255	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	28,059	45,824	54,082	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	21,524	30,873	34,853	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	26,813	32,537	37,162	No	No	No	High school diploma or equivalent	Yes	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	28,040	48,204	59,719	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	29,606	47,914	57,933	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	24,041	32,208	36,929	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	24,701	34,421	39,122	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	20,248	32,174	37,488	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	19,354	31,303	37,364	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	27,415	50,428	55,107	Yes	Yes	Yes	Associate's degree	No	Yes	No
43-9041	Insurance Claims and Policy Processing Clerks	25,370	38,502	41,714	No	No	No	High school diploma or equivalent	Yes	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	25,150	29,484	31,403	No	No	No	High school diploma or equivalent	Yes	No	No
43-9061	Office Clerks, General	20,178	32,547	38,337	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	19,954	34,525	40,564	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	25,357	40,337	53,477	No	No	Yes	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	31,255	52,705	64,579	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	26,297	36,220	41,905	No	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	29,826	53,134	58,499	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	19,544	35,553	44,977	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	20,840	37,897	43,567	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	24,433	32,304	36,268	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	22,088	31,970	36,544	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	18,096	23,442	24,356	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	19,672	22,537	24,128	No	No	No	No formal educational credential	No	No	No

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45-2099	Agricultural Workers, All Other	18,734	27,634	27,920	No	No	No	No formal educational credential	No	Yes	No
45-3031	Fishing and Hunting Workers	19,992	30,722	39,374	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	34,533	39,431	42,843	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	26,129	35,791	39,250	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	17,905	34,543	43,986	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	22,003	31,760	36,982	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,801	45,158	56,879	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	41,180	60,804	72,627	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	33,419	49,456	58,032	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	23,702	39,444	47,413	No	No	No	High school diploma or equivalent	No	No	Yes
47-2022	Stonemasons	31,360	37,688	41,528	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	22,738	37,609	45,881	No	No	No	Postsecondary nondegree award	No	Yes	Yes
47-2041	Carpet Installers	17,838	31,074	40,089	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,889	38,116	49,647	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	24,928	34,114	38,964	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	22,727	36,315	43,760	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	29,333	39,168	45,154	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	32,418	42,681	47,998	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	24,687	34,315	38,933	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	25,910	32,072	36,449	No	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	32,084	48,265	57,499	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	27,955	39,285	43,371	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	29,382	39,693	46,776	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	18,020	39,184	48,017	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	24,371	41,328	50,363	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
47-2121	Glaziers	25,919	40,270	48,455	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	26,157	37,535	44,129	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	27,882	38,012	43,967	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	23,204	31,339	36,050	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	31,465	45,625	58,404	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	27,970	37,419	43,944	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	24,670	41,498	49,464	No	No	No	Postsecondary nondegree award	No	Yes	Yes
47-2161	Plasterers and Stucco Masons	21,784	36,001	43,558	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	30,141	43,329	49,828	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	22,950	37,135	43,384	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	27,855	39,823	47,100	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	33,056	39,354	40,380	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2231	Solar Photovoltaic Installers	24,309	34,410	38,488	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	21,164	29,064	34,038	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	31,665	37,456	41,684	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	19,583	30,507	36,421	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	19,725	26,901	31,341	No	No	No	No formal educational credential	No	Yes	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	19,017	28,193	32,470	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	23,537	32,590	37,306	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	21,974	30,102	34,629	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	40,352	58,043	69,367	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	39,479	74,003	93,176	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	24,518	36,678	45,054	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	25,748	37,926	44,977	No	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	21,741	29,477	32,673	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	32,637	45,883	52,610	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	24,576	36,468	39,374	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	26,072	37,078	41,947	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	32,752	43,138	48,827	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	23,766	51,657	66,770	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	24,966	39,308	45,568	No	No	No	High school diploma or equivalent	Yes	No	No
47-5041	Continuous Mining Machine Operators										
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining										
47-5051	Rock Splitters, Quarry	29,226	35,734	37,926	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	32,752	43,138	48,827	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	22,584	32,685	38,221	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	25,214	43,700	50,809	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	33,990	54,116	69,400	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	34,038	58,007	70,407	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	20,095	38,930	46,962	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	29,874	55,031	70,201	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	37,911	59,954	77,293	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	32,466	56,136	68,209	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	26,977	41,328	48,903	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	32,227	52,486	66,113	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 11 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	27,610	39,793	43,012	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	40,461	68,419	86,886	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	24,337	36,258	43,262	No	No	No	Postsecondary nondegree award	No	No	Yes
49-2097	Audiovisual Equipment Installers and Repairers	23,127	41,928	53,220	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	27,034	43,100	52,229	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	34,848	51,730	60,674	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	27,344	46,015	56,281	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	20,850	35,734	41,204	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	22,721	47,676	55,902	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	29,017	39,475	42,361	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-3041	Farm Equipment Mechanics and Service Technicians	25,328	40,508	49,113	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	30,454	43,394	50,479	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	34,857	53,458	60,634	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	24,927	41,368	47,158	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3052	Motorcycle Mechanics	24,849	43,973	55,065	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	30,910	38,739	44,542	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	21,298	28,673	32,618	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	26,081	45,768	57,804	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	20,097	29,893	35,334	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	23,184	38,421	45,197	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	27,845	38,207	44,501	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	19,488	38,959	47,298	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9031	Home Appliance Repairers	25,233	38,650	46,207	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9041	Industrial Machinery Mechanics	29,295	52,875	60,602	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	23,899	37,916	46,588	No	No	No	High school diploma or equivalent	No	No	Yes
49-9044	Millwrights	30,646	47,817	58,966	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	29,396	56,217	82,334	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	33,847	43,768	49,445	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	18,534	39,584	52,401	No	No	Yes	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	26,167	49,037	61,348	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-9063	Musical Instrument Repairers and Tuners	22,632	33,657	38,364	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,907	41,747	51,848	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	36,573	54,211	62,130	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	20,025	32,549	38,496	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	42,919	70,277	85,381	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18,629	29,388	35,534	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	32,342	47,989	48,741	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	21,732	32,100	38,598	No	No	No	High school diploma or equivalent	No	No	No
49-9095	Manufactured Building and Mobile Home Installers	20,354	28,016	30,617	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	34,307	55,057	72,084	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	37,840	63,197	76,080	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	18,566	24,599	27,814	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	22,354	35,552	43,378	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	34,978	62,134	79,124	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	18,363	39,374	50,876	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	17,886	34,162	47,665	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	25,695	30,364	31,260	No	No	No	High school diploma or equivalent	Yes	No	No
51-2031	Engine and Other Machine Assemblers	24,404	28,911	30,331	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	27,056	38,004	43,127	No	No	No	High school diploma or equivalent	Yes	No	No
51-2051	Fiberglass Laminators and Fabricators	24,776	34,324	38,212	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	22,515	32,674	37,866	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	21,953	30,032	35,008	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	25,178	38,066	45,212	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	20,735	29,702	35,267	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	21,364	27,282	29,950	No	No	No	No formal educational credential	Yes	Yes	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	24,433	32,304	36,268	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,896	28,997	33,514	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	18,563	26,786	31,103	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,202	26,081	29,254	No	No	No	No formal educational credential	Yes	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	22,367	31,985	37,259	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	25,224	34,067	37,697	No	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	25,395	34,943	40,870	No	No	No	High school diploma or equivalent	Yes	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,418	27,000	30,660	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	31,951	52,553	64,169	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,326	32,185	38,238	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,003	36,334	42,719	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	32,237	42,462	48,189	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 11 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	27,367	42,720	50,065	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	29,273	40,461	47,055	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4052	Pourers and Casters, Metal										
51-4061	Model Makers, Metal and Plastic	31,951	52,553	64,169	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	28,521	50,838	60,024	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	20,488	35,982	45,663	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	25,271	38,895	48,821	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24,423	34,572	37,954	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	29,966	49,412	61,563	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	27,319	39,084	43,199	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	31,256	36,939	38,804	Yes	No	No	Postsecondary nondegree award	Yes	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	21,374	33,266	38,259	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	27,387	43,700	54,364	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	27,253	37,116	40,175	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,090	34,314	38,021	No	No	No	High school diploma or equivalent	Yes	No	No
51-4199	Metal Workers and Plastic Workers, All Other	20,307	32,666	37,135	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	21,784	36,906	44,063	No	No	No	Postsecondary nondegree award	No	No	Yes
51-5112	Printing Press Operators	19,916	32,369	38,315	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	19,992	30,388	36,620	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	19,695	23,909	25,318	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	18,248	23,318	26,472	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	22,312	32,428	37,783	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	18,877	29,540	35,553	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,172	28,454	34,333	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,202	27,196	32,399	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	19,087	28,320	33,104	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	24,585	29,645	33,714	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20,183	29,912	35,105	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18,172	25,204	28,702	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,087	43,119	67,123	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	36,325	65,675	78,243	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	17,943	28,216	30,017	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	22,984	37,183	44,148	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,829	26,262	32,084	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	25,482	36,511	44,082	No	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Furniture Finishers	18,972	35,181	43,605	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	20,735	29,331	32,618	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	21,545	27,303	29,745	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	21,764	38,917	54,173	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	67,113	91,765	104,010	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	48,446	77,548	97,216	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	42,919	70,277	85,381	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	37,211	55,555	62,701	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	31,130	43,914	52,498	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	30,369	49,523	60,281	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
51-8092	Gas Plant Operators	31,541	45,702	54,897	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	28,968	48,884	56,898	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	37,345	57,089	61,148	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	25,500	42,614	53,897	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	23,518	36,573	44,053	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	22,775	34,333	39,555	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,974	31,980	36,239	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	26,048	35,026	41,515	No	No	No	High school diploma or equivalent	Yes	No	No
51-9031	Cutters and Trimmers, Hand	20,011	33,781	40,260	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	27,184	38,649	43,628	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,727	32,389	36,792	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,936	31,408	36,153	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	25,637	42,471	49,637	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	23,299	43,110	54,992	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	29,380	48,220	68,767	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9082	Medical Appliance Technicians	24,375	43,977	51,676	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	25,577	34,755	37,895	No	No	No	High school diploma or equivalent	Yes	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	19,591	27,994	31,964	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	26,915	29,953	31,913	No	No	No	High school diploma or equivalent	Yes	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	25,047	37,538	40,330	No	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians	27,053	39,851	46,721	No	No	No	High school diploma or equivalent	Yes	Yes	Yes

Workforce Region 11 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	23,051	40,051	47,998	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9161	Computer Numerically Controlled Tool Operators	27,488	41,526	51,375	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9162	Computer Numerically Controlled Tool Programmers	43,534	63,576	75,664	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	20,564	33,056	40,060	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,813	33,066	37,983	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	20,688	35,401	43,739	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,810	25,462	31,646	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	27,048	34,881	38,548	No	No	No	High school diploma or equivalent	Yes	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	24,518	35,077	39,470	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	24,995	35,963	43,662	No	No	No	High school diploma or equivalent	Yes	No	No
51-9198	Helpers--Production Workers	19,288	26,262	30,455	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	18,762	26,934	32,045	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	33,161	60,653	75,289	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	22,628	48,158	57,024	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	93,557	218,912	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	41,099	120,486	150,893	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	66,237	116,874	144,842	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	24,223	44,434	57,565	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	29,350	55,497	64,102	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,888	27,806	30,179	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,875	28,992	34,636	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	28,679	40,878	45,779	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	20,419	44,112	52,025	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
53-3052	Bus Drivers, Transit and Intercity	22,975	35,058	40,689	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	22,743	32,330	38,199	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	18,233	20,937	22,877	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	51,028	64,074	70,582	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	51,495	64,703	73,650	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	33,123	54,116	64,693	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	51,495	64,703	73,650	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	21,336	40,203	56,660	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-4099	Rail Transportation Workers, All Other	27,606	52,744	68,848	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	22,717	39,212	46,464	No	No	No	High school diploma or equivalent	No	No	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	21,307	77,291	100,789	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	19,039	41,852	53,315	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	31,351	69,934	85,667	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	24,480	38,059	46,731	No	No	No	High school diploma or equivalent	No	No	Yes
53-6021	Parking Attendants	18,837	22,268	24,276	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	20,793	26,154	29,150	No	No	No	No formal educational credential	Yes	No	No
53-6041	Traffic Technicians	33,233	44,359	50,518	Yes	Yes	Yes	Associate's degree	Yes	No	No
53-6051	Transportation Inspectors	50,152	88,125	116,712	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,915	23,432	25,262	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	18,728	25,785	27,542	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,068	32,370	38,831	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	34,114	58,185	70,725	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	32,532	45,911	53,306	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	25,710	39,603	41,623	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	27,602	34,800	39,077	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	18,838	22,879	25,429	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	20,034	28,277	31,428	No	No	No	No formal educational credential	No	Yes	Yes
53-7063	Machine Feeders and Offbearers	19,068	30,941	36,982	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,798	23,704	24,876	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	21,610	28,734	32,412	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	33,476	62,139	74,708	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	19,344	38,812	46,235	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	22,846	34,974	39,691	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,068	32,370	38,831	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	23,311	29,509	32,335	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 11 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	27,129	43,490	50,189	
1	No formal educational credential	20,088	26,878	30,030	79
2	High school diploma or equivalent	24,807	39,482	46,243	227
3	Some college, no degree	22,456	33,420	38,597	48
4	Postsecondary nondegree award	25,360	37,334	43,115	85
5	Associate's degree	32,299	47,502	55,439	63
6	Bachelor's degree	38,264	69,430	81,507	172
7	Master's degree	46,201	72,065	84,564	39
8	Doctoral or professional degree	61,882	127,019	136,249	63

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	427	349	425	351	409	367
No formal educational credential	44.3%	55.7%	31.6%	68.4%	30.4%	69.6%
High school diploma or equivalent	59.5%	40.5%	73.1%	26.9%	69.2%	30.8%
Some college, no degree	29.2%	70.8%	22.9%	77.1%	25.0%	75.0%
Postsecondary nondegree award	42.4%	57.6%	27.1%	72.9%	25.9%	74.1%
Associate's degree	58.7%	41.3%	41.3%	58.7%	46.0%	54.0%
Bachelor's degree	54.7%	45.3%	60.5%	39.5%	58.7%	41.3%
Master's degree	69.2%	30.8%	61.5%	38.5%	51.3%	48.7%
Doctoral or professional degree	77.8%	22.2%	73.0%	27.0%	69.8%	30.2%

Workforce Region 12 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	72,992	198,014	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	41,683	104,664	131,290	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	19,429	92,368	145,935	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2011	Advertising and Promotions Managers	43,826	128,956	173,421	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	30,932	121,309	160,651	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2022	Sales Managers	51,161	124,881	161,109	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	57,848	128,247	142,757	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	52,990	97,560	123,959	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	83,341	147,492	176,981	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	65,698	140,284	176,301	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	55,334	108,252	136,192	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	75,147	134,082	163,225	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	44,425	88,267	107,460	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	76,062	110,698	130,725	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	56,951	110,469	132,496	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	60,693	103,998	125,668	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	36,208	77,843	82,526	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9021	Construction Managers	56,707	93,081	112,136	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	18,847	40,888	56,121	No	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	50,616	85,534	99,051	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	59,818	103,687	119,724	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	42,564	74,329	100,357	Yes	Yes	Yes	Master's degree	No	No	Yes
11-9041	Architectural and Engineering Managers	98,015	152,048	180,382	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	37,135	63,188	74,889	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	45,132	86,229	94,830	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	35,588	66,873	72,975	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	46,990	101,459	120,369	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	52,487	108,479	136,234	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	72,201	87,240	94,682	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	33,117	59,773	66,787	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	37,430	70,919	83,748	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9161	Emergency Management Directors	44,185	77,154	108,093	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
11-9171	Funeral Home Managers	40,023	95,515	93,812	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	49,421	104,907	132,295	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	33,426	83,819	100,796	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	35,663	69,780	89,186	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	37,694	66,101	80,097	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	46,328	63,592	72,688	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	32,765	62,071	82,609	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	33,832	63,200	76,144	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	34,110	61,371	74,272	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	36,208	77,843	82,526	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	39,299	77,449	88,450	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	35,950	72,056	90,975	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	42,873	95,890	113,089	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	25,461	49,005	61,600	No	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	30,679	55,183	69,513	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	37,519	65,023	71,550	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	25,406	57,410	75,159	No	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	23,140	58,783	75,414	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	33,269	76,066	97,287	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	43,259	73,101	86,126	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2020	Property Appraisers and Assessors	34,020	53,857	66,315	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	45,163	75,263	87,225	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	46,995	86,659	115,753	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	25,175	99,978	116,739	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	28,916	66,715	89,388	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	38,842	62,282	76,659	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2071	Credit Counselors	33,304	41,694	46,853	Yes	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	21,873	78,425	96,801	No	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,215	48,744	62,319	No	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	23,286	58,587	78,742	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	40,105	76,613	92,690	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	47,864	92,182	113,216	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	57,427	100,671	125,709	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	69,206	101,147	118,588	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	32,156	60,084	66,994	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
15-1232	Computer User Support Specialists	29,678	51,845	62,463	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	67,525	107,685	127,818	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	53,828	84,969	102,608	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1245	Database Administrators and Architects	47,886	92,518	117,314	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	54,131	86,576	103,298	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	47,368	95,874	120,862	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	34,515	65,304	79,884	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 12 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	27,100	68,906	94,621	No	Yes	Yes	Bachelor's degree	No	No	No
15-2011	Actuaries	44,973	110,298	150,017	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	68,997	103,431	116,970	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	43,984	78,889	96,552	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-2041	Statisticians	41,328	73,641	86,361	Yes	Yes	Yes	Master's degree	No	No	No
15-2098	Data Scientists and Mathematical Science Occupations, All Other	52,938	82,035	103,530	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
17-1011	Architects, Except Landscape and Naval	46,490	84,738	99,420	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-1012	Landscape Architects	55,326	91,847	105,474	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1021	Cartographers and Photogrammetrists	32,335	56,621	65,665	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1022	Surveyors	29,183	63,824	85,192	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	68,266	105,711	126,179	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	42,840	79,028	97,720	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2031	Bioengineers and Biomedical Engineers	67,943	95,349	116,529	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	87,326	150,792	191,340	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	55,974	93,728	115,084	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	69,125	107,394	124,276	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	60,756	104,845	128,635	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	66,669	108,326	129,470	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	32,839	75,353	96,961	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	44,093	77,460	97,380	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2112	Industrial Engineers	54,879	85,038	100,718	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	47,484	78,676	94,056	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2131	Materials Engineers	58,401	98,996	118,538	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	56,073	94,702	119,376	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	72,014	115,736	141,667	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	84,328	106,361	120,134	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	72,484	157,440	193,569	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	56,651	100,384	127,924	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	39,300	59,315	68,310	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	22,211	51,061	63,964	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	35,333	56,679	64,806	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	33,047	52,016	61,905	Yes	Yes	Yes	Associate's degree	No	No	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	39,891	67,263	86,758	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	31,184	51,288	66,914	Yes	Yes	Yes	Associate's degree	No	No	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	37,438	57,833	72,801	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	34,137	52,158	62,792	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	27,108	37,720	40,890	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	35,595	51,629	60,629	Yes	Yes	Yes	Associate's degree	Yes	No	No
17-3027	Mechanical Engineering Technologists and Technicians	23,823	44,730	55,080	No	No	No	Associate's degree	No	No	No
17-3031	Surveying and Mapping Technicians	28,115	58,663	75,268	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	30,787	57,560	73,791	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-1011	Animal Scientists	40,734	63,472	75,982	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	31,447	56,986	71,720	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	31,192	70,790	96,074	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1021	Biochemists and Biophysicists	46,810	62,144	64,386	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	33,762	49,802	59,558	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	33,628	44,787	49,242	Yes	No	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	39,402	74,301	92,074	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	31,573	63,721	79,039	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1032	Foresters	43,203	64,381	83,208	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1041	Epidemiologists	32,240	54,106	67,371	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	52,345	79,299	68,110	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1099	Life Scientists, All Other	49,394	102,187	128,158	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	83,927	143,205	162,602	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	83,927	143,205	162,602	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	57,995	96,976	113,982	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	40,480	67,437	82,257	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	48,659	101,100	131,469	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	33,583	50,234	54,236	Yes	Yes	No	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	52,390	94,984	119,897	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	70,094	92,920	110,756	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	46,514	114,786	134,369	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	47,359	79,898	97,012	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3022	Survey Researchers	112,303	133,865	154,628	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3031	Clinical, Counseling, and School Psychologists	38,066	79,699	79,685	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	28,909	70,809	93,361	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	77,919	101,730	116,261	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
19-3041	Sociologists	51,961	74,218	90,030	Yes	Yes	Yes	Master's degree	Yes	No	Yes
19-3051	Urban and Regional Planners	41,196	71,524	87,538	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	32,240	54,106	67,371	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	62,707	82,349	95,320	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	24,462	57,398	84,289	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists	61,375	97,603	112,513	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	59,962	80,707	86,563	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-4010	Agricultural and Food Science Technicians	29,836	40,591	47,450	Yes	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	27,243	42,490	54,878	No	No	No	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	29,361	50,399	58,864	Yes	Yes	Yes	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	27,985	44,774	57,367	No	No	Yes	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	27,387	50,842	63,938	No	Yes	Yes	Associate's degree	No	No	Yes
19-4051	Nuclear Technicians	68,997	94,340	106,929	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	33,377	48,510	55,126	Yes	Yes	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	30,773	46,297	56,222	Yes	No	Yes	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	32,617	49,924	60,381	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	19,448	48,660	60,557	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	34,460	69,764	84,535	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	28,834	58,145	74,705	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	33,329	49,322	57,845	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	32,567	44,356	50,321	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	18,983	39,243	47,297	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	27,376	45,210	49,232	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	28,245	36,405	39,250	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	27,869	45,147	51,352	No	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	37,612	56,219	64,902	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	28,585	48,252	58,260	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	36,019	51,938	66,128	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	30,056	56,138	74,934	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	30,749	39,070	43,938	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	23,575	36,387	43,003	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	31,362	39,966	45,551	Yes	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	23,244	37,762	42,088	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	22,337	46,381	57,658	No	No	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	28,373	44,368	52,780	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	19,103	42,783	57,366	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	52,075	122,206	159,815	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
23-1012	Judicial Law Clerks	27,861	52,096	58,496	No	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	85,599	141,922	181,489	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-1022	Arbitrators, Mediators, and Conciliators	28,902	55,443	59,035	Yes	Yes	Yes	Bachelor's degree	No	No	No
23-1023	Judges, Magistrate Judges, and Magistrates	143,097	183,959	167,814	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	32,862	50,964	61,141	Yes	Yes	Yes	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	34,206	50,819	59,162	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	27,897	71,991	114,807	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	49,831	118,089	144,307	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1021	Computer Science Teachers, Postsecondary	44,563	99,931	126,886	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	44,113	77,766	96,827	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	22,094	48,316	52,072	No	Yes	No	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	49,476	111,000	131,462	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	89,303	109,110	125,066	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1042	Biological Science Teachers, Postsecondary	43,566	74,386	85,546	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	67,635	110,847	130,372	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	46,778	93,223	115,491	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	52,425	77,764	87,641	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	22,953	73,709	86,523	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	50,736	92,243	113,014	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	55,311	76,833	84,414	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	42,527	78,774	95,682	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	71,055	106,375	122,660	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1064	Geography Teachers, Postsecondary	51,451	85,641	100,875	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	54,645	85,675	96,740	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1066	Psychology Teachers, Postsecondary	46,663	86,217	100,233	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	47,976	75,597	86,919	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	43,252	82,428	109,358	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	44,356	88,916	114,243	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	48,049	83,460	100,969	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1081	Education Teachers, Postsecondary	49,103	88,364	108,560	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	42,997	69,565	81,987	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	45,684	75,489	87,814	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	55,056	149,034	197,527	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	36,129	73,239	86,209	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	42,916	82,105	98,633	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	50,222	79,074	101,333	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	30,528	80,856	112,622	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	29,798	79,414	109,714	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	50,954	75,593	87,103	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	41,599	73,592	86,343	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	41,586	67,047	79,567	Yes	Yes	Yes	Master's degree	No	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	32,691	65,852	79,861	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	32,979	62,178	77,615	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	27,279	64,028	88,889	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,519	26,979	28,782	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	31,144	54,986	71,475	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	35,327	56,316	71,329	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	39,247	54,154	62,625	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	29,360	57,839	73,875	Yes	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	34,800	57,992	72,455	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	42,029	62,335	72,737	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2051	Special Education Teachers, Preschool	31,398	60,934	77,510	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	38,867	56,134	68,568	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	41,606	52,654	51,193	Yes	Yes	No	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	41,219	52,870	56,758	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2059	Special Education Teachers, All Other	21,511	28,919	29,978	No	No	No	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	33,749	46,994	53,921	Yes	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	21,792	39,306	51,402	No	No	No	Some college, no degree	No	No	Yes
25-3031	Substitute Teachers, Short-Term	18,671	28,110	30,076	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	18,921	35,615	45,675	No	No	No	Bachelor's degree	No	No	No
25-4011	Archivists	26,774	42,664	49,698	No	No	No	Master's degree	No	No	No
25-4012	Curators	26,833	57,306	73,064	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	27,616	41,584	48,735	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	23,429	53,964	68,356	No	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	27,657	36,497	40,157	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	18,460	32,510	39,379	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	41,818	61,957	68,557	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	19,330	37,388	47,417	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	18,892	27,116	30,777	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	22,429	56,771	76,824	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	43,293	80,490	102,852	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
27-1012	Craft Artists	17,967	32,113	38,559	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	41,695	53,467	61,151	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	43,666	70,695	82,318	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	29,762	83,956	102,638	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	47,695	82,457	105,135	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1022	Fashion Designers	42,766	78,308	88,310	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1023	Floral Designers	26,025	36,905	44,010	No	No	No	High school diploma or equivalent	Yes	No	No
27-1024	Graphic Designers	33,032	51,321	61,586	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	29,146	51,143	61,095	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	22,724	40,355	44,566	No	No	No	Some college, no degree	No	Yes	No
27-1027	Set and Exhibit Designers	33,099	55,574	64,458	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	29,984	62,468	73,726	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	20,509	46,155	50,149	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	37,519	81,349	105,789	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
27-2021	Athletes and Sports Competitors	19,370	24,832	24,778	No	No	No	Some college, no degree	No	No	No
27-2022	Coaches and Scouts	20,039	57,030	64,557	No	Yes	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	18,743	32,612	41,583	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	19,725	54,202	79,591	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	18,094	38,138	57,917	No	No	Yes	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	46,183	75,910	92,184	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-2042	Musicians and Singers	18,563	87,905	123,238	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	21,070	32,136	37,502	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	19,118	52,713	62,937	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	27,974	67,365	76,195	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	32,833	59,394	71,778	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	30,264	50,787	60,293	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	27,280	52,178	65,399	No	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	31,541	132,195	69,937	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
27-3091	Interpreters and Translators	28,109	58,329	72,161	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,995	50,109	82,349	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	33,785	55,047	62,283	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
27-4011	Audio and Video Technicians	27,571	54,574	74,396	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4012	Broadcast Technicians	24,171	48,274	63,984	No	Yes	Yes	Associate's degree	No	No	Yes
27-4014	Sound Engineering Technicians	24,904	64,709	88,181	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	18,799	35,845	39,656	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	29,629	43,176	52,359	Yes	No	No	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	33,487	46,793	51,439	Yes	No	No	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	51,798	90,176	112,513	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1011	Chiropractors	39,876	95,845	102,252	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	93,065	169,365	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	62,541	230,208	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1023	Orthodontists	87,737	177,238	203,767	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	78,637	210,497	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	162,356	226,875	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1031	Dietitians and Nutritionists	45,277	61,458	69,615	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041	Optometrists	66,128	100,800	122,199	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1051	Pharmacists	61,022	118,089	140,905	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1071	Physician Assistants	81,533	120,597	143,514	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	56,566	153,212	192,801	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1122	Occupational Therapists	46,879	87,679	105,643	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-1123	Physical Therapists	51,411	86,953	101,266	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	58,750	82,930	98,485	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 12 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
29-1125	Recreational Therapists	40,351	54,096	61,218	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	48,621	60,950	66,290	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	47,032	74,460	90,861	Yes	Yes	Yes	Master's degree	No	No	Yes
29-1128	Exercise Physiologists	34,430	50,163	55,834	Yes	Yes	No	Master's degree	No	No	No
29-1129	Therapists, All Other	42,024	49,337	51,815	Yes	Yes	No	Bachelor's degree	No	No	No
29-1131	Veterinarians	67,579	103,302	115,250	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	48,990	67,468	77,600	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	133,076	173,163	178,463	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	21,454	66,156	97,005	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	87,506	110,392	124,723	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	53,007	65,449	74,474	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	133,409	298,695	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	106,686	198,708	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	23,136	241,518	*	No	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	146,400	213,596	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	50,993	149,608	186,525	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	127,270	246,023	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	44,390	187,693	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	103,999	225,143	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1292	Dental Hygienists	51,157	69,609	78,806	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	26,510	49,464	67,957	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	28,204	51,741	64,306	No	Yes	Yes	Associate's degree	No	No	Yes
29-2031	Cardiovascular Technologists and Technicians	27,495	54,368	72,507	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2032	Diagnostic Medical Sonographers	54,470	69,929	78,637	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	60,636	76,371	83,909	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	36,582	57,602	67,523	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	54,506	68,702	78,229	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	22,514	35,785	40,481	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	20,881	29,611	34,686	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	25,945	34,127	38,307	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	21,832	30,944	35,069	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	35,515	48,026	53,835	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	25,791	33,073	37,719	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	23,980	39,898	48,456	No	No	No	Postsecondary nondegree award	No	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	36,077	46,315	50,978	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	29,323	52,890	64,770	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2091	Orthotists and Prosthetists	35,865	67,919	84,392	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	53,422	59,106	63,851	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	28,820	43,054	51,062	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	40,008	49,837	56,847	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	58,279	79,058	91,127	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	30,073	59,424	82,465	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	20,628	24,990	27,076	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,800	28,312	31,423	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	21,727	30,199	31,319	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	21,652	28,025	31,098	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	39,937	62,462	69,019	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	19,093	27,773	31,594	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	43,610	72,642	86,627	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	22,952	31,643	32,776	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	19,691	41,532	50,969	No	No	No	Postsecondary nondegree award	No	No	Yes
31-9091	Dental Assistants	33,503	41,946	47,128	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
31-9092	Medical Assistants	26,432	32,990	37,554	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	25,415	34,328	39,232	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	19,213	25,716	30,319	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	24,595	34,695	39,632	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	19,665	26,427	30,458	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	25,529	33,707	38,315	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	21,780	40,747	51,526	No	No	No	High school diploma or equivalent	No	No	Yes
33-1011	First-Line Supervisors of Correctional Officers	34,230	47,412	53,085	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	50,995	75,798	86,326	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	44,085	73,814	92,343	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	29,330	49,662	59,974	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	32,063	49,441	62,254	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	43,821	60,484	65,255	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	29,047	34,337	37,511	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	43,708	53,191	59,255	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	33,125	46,243	56,521	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	33,621	68,376	86,955	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	21,204	28,826	30,997	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	28,411	36,993	39,917	No	No	No	High school diploma or equivalent	Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	42,711	59,645	69,606	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	44,094	63,521	75,413	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	28,101	36,786	39,765	No	No	No	Postsecondary nondegree award	Yes	No	No

Workforce Region 12 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	33,506	46,164	51,059	Yes	No	No	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	24,521	34,033	38,569	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	19,990	27,564	30,250	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	20,483	26,562	30,192	No	No	No	No formal educational credential	Yes	No	Yes
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	19,506	24,901	26,223	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	34,096	39,644	43,223	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	22,303	33,969	38,432	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	27,096	56,598	68,512	No	Yes	Yes	Associate's degree	No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	21,872	37,760	43,887	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,884	22,531	24,109	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	20,687	28,334	31,150	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2013	Cooks, Private Household	20,622	29,546	34,660	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	21,774	29,245	31,827	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	18,879	26,327	30,249	No	No	No	No formal educational credential	No	No	Yes
35-2019	Cooks, All Other	25,751	32,700	37,555	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	18,845	25,369	28,969	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,753	26,089	25,314	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,746	21,697	23,344	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,660	25,994	27,571	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	18,861	22,941	24,627	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,940	23,481	25,089	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	19,482	24,158	26,377	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,910	22,844	24,429	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	18,704	24,120	28,172	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	23,043	37,135	44,574	No	No	No	High school diploma or equivalent	No	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	30,973	50,196	60,489	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,320	26,951	31,116	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,660	24,778	26,376	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	22,526	28,327	31,110	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	28,010	37,496	40,516	No	No	No	High school diploma or equivalent	Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	21,169	29,024	32,160	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	22,008	33,116	40,058	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	24,430	33,663	38,401	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	33,380	38,525	40,076	Yes	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	35,757	54,900	64,765	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	28,091	49,286	60,540	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	21,177	32,523	37,809	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	20,468	28,956	30,917	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	18,055	24,579	27,734	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	19,299	26,989	30,477	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,730	33,955	35,071	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	18,682	29,311	32,123	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	19,195	25,574	28,293	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	19,913	24,859	25,385	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	25,110	65,012	82,418	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	19,416	27,872	32,919	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	19,440	25,494	29,101	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	33,210	55,762	56,820	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	21,649	36,561	56,202	No	No	No	High school diploma or equivalent	No	No	Yes
39-4031	Morticians, Undertakers, and Funeral Arrangers	43,755	57,841	72,529	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
39-5011	Barbers	21,464	31,163	37,080	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,470	30,562	35,407	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	35,669	69,232	79,881	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	19,923	29,862	29,350	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	18,868	25,794	29,762	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,954	37,095	52,065	No	No	No	Postsecondary nondegree award	No	No	Yes
39-6011	Baggage Porters and Bellhops	18,836	23,618	25,872	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	20,412	27,873	31,251	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	23,232	33,321	38,596	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	18,805	22,369	24,103	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	19,215	39,167	49,269	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	20,156	27,994	30,257	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	23,514	33,531	38,807	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	19,299	34,705	52,880	No	No	No	High school diploma or equivalent	No	No	Yes
41-1011	First-Line Supervisors of Retail Sales Workers	27,047	47,172	56,561	No	No	Yes	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	37,926	78,319	101,528	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,631	24,321	26,152	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,604	28,038	34,660	No	No	No	No formal educational credential	No	Yes	Yes
41-2021	Counter and Rental Clerks	19,981	30,625	36,080	No	No	No	No formal educational credential	No	Yes	Yes
41-2022	Parts Salespersons	21,190	34,363	39,886	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,506	28,893	30,966	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	23,631	53,025	54,167	No	Yes	No	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	32,165	57,121	62,054	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	35,551	68,744	70,379	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	19,170	34,297	40,187	No	No	No	Some college, no degree	No	No	No

Workforce Region 12 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	22,485	51,264	64,153	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	42,283	95,309	129,472	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	25,745	66,278	78,057	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	21,854	38,003	48,637	No	No	No	No formal educational credential	Yes	Yes	Yes
41-9012	Models	20,279	38,441	48,346	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	33,627	48,537	61,269	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	18,915	45,258	54,180	No	No	No	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	44,555	88,025	118,775	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	18,915	26,920	31,544	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	18,907	32,047	53,087	No	No	No	High school diploma or equivalent	No	No	Yes
41-9099	Sales and Related Workers, All Other	20,765	33,684	38,548	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	33,128	56,131	65,937	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	21,760	28,842	31,526	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	21,922	26,388	29,126	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	21,911	30,290	34,876	No	No	No	High school diploma or equivalent	No	No	No
43-3011	Bill and Account Collectors	27,901	39,152	41,279	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	25,439	37,228	41,651	No	No	No	High school diploma or equivalent	No	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	26,134	41,559	48,217	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	19,436	27,391	30,957	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	32,316	46,297	53,400	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	30,370	42,973	49,634	Yes	No	No	Associate's degree	No	No	No
43-3071	Tellers	26,861	36,212	40,349	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	28,379	45,397	55,559	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	37,681	58,434	71,551	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	23,100	40,753	48,847	No	No	No	High school diploma or equivalent	No	No	No
43-4031	Court, Municipal, and License Clerks	27,790	38,916	44,728	No	No	No	Some college, no degree	Yes	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	27,476	40,365	48,149	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	22,844	35,393	39,697	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	26,854	32,427	33,308	No	No	No	High school diploma or equivalent	Yes	No	No
43-4071	File Clerks	21,843	31,774	36,473	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	21,222	26,665	29,540	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	24,891	35,640	40,517	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	20,969	28,472	31,630	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	25,730	42,332	50,330	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-4141	New Accounts Clerks	28,594	42,662	49,248	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4151	Order Clerks	20,673	32,624	37,637	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	26,825	38,087	45,518	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	21,114	30,260	34,333	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	24,846	43,270	66,333	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
43-4199	Information and Record Clerks, All Other	29,565	41,570	47,992	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5011	Cargo and Freight Agents	27,063	45,388	53,876	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	20,946	29,515	33,783	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	29,193	40,798	45,734	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	23,512	36,075	43,415	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	26,949	39,926	45,530	No	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,762	52,135	62,995	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,062	53,277	65,034	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	34,436	50,717	62,716	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	27,559	46,850	55,822	No	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	25,518	35,617	40,656	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	26,144	34,331	39,047	No	No	No	High school diploma or equivalent	Yes	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	34,699	53,425	62,879	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	29,331	48,053	59,380	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	25,698	33,084	37,180	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	23,225	36,207	41,609	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	23,633	31,142	35,882	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	20,306	29,431	33,228	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	27,507	46,209	56,399	No	No	Yes	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	33,025	45,819	52,139	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	26,568	35,883	39,067	No	No	No	High school diploma or equivalent	Yes	No	No
43-9061	Office Clerks, General	21,136	35,877	41,504	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	24,653	35,378	39,484	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	25,819	46,497	60,113	No	No	Yes	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	34,890	47,339	51,703	Yes	No	No	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	23,791	37,060	42,780	No	No	No	Some college, no degree	No	No	No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	42,002	47,071	50,725	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	28,234	39,734	50,450	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	21,425	38,961	44,790	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	25,118	33,210	37,285	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	22,708	32,867	37,570	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	19,147	24,169	24,967	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	20,553	31,584	40,479	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 12 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	19,260	28,410	28,704	No	No	No	No formal educational credential	No	Yes	No
45-3031	Fishing and Hunting Workers	20,553	31,584	40,479	No	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	35,503	40,538	44,045	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	26,862	36,796	40,352	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	18,408	35,512	45,221	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	22,620	32,652	38,020	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	19,328	46,426	58,475	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	37,739	60,922	74,082	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	34,356	50,844	59,661	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	27,473	38,824	47,695	No	No	No	High school diploma or equivalent	Yes	No	No
47-2022	Stonemasons	33,711	39,074	41,218	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	30,111	43,802	50,009	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	18,339	31,946	41,214	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	20,240	24,089	24,523	No	No	No	No formal educational credential	Yes	No	No
47-2043	Floor Sanders and Finishers	25,628	35,071	40,058	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	23,718	35,717	39,086	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	28,058	39,605	46,194	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	33,328	43,879	49,345	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	23,311	34,490	39,113	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	31,077	43,688	44,202	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2072	Pile Driver Operators	33,076	39,466	39,794	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2073	Operating Engineers and Other Construction Equipment Operators	28,671	41,810	47,837	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	21,005	35,903	44,592	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	18,525	40,283	49,365	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	30,699	46,272	51,979	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	26,707	43,501	55,319	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	32,994	42,116	53,128	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2132	Insulation Workers, Mechanical	31,666	38,093	41,130	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	25,237	35,447	39,380	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	32,348	46,906	60,043	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	29,193	42,528	48,774	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	32,162	44,047	50,038	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	27,213	36,863	42,932	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	32,019	51,037	60,706	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	27,486	42,171	50,916	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	26,688	40,865	48,783	No	No	No	High school diploma or equivalent	Yes	No	No
47-2221	Structural Iron and Steel Workers	18,658	45,368	58,281	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-2231	Solar Photovoltaic Installers	24,991	35,375	39,568	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	24,783	33,120	37,714	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	26,951	34,906	39,247	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	22,098	28,749	31,626	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	20,680	25,746	29,095	No	No	No	No formal educational credential	Yes	No	No
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	24,047	31,782	36,317	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	24,197	33,504	38,353	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	28,855	39,621	46,751	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	40,242	65,732	80,325	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	59,934	90,516	103,380	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	28,989	44,738	52,731	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	27,421	41,925	51,371	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4051	Highway Maintenance Workers	23,192	37,288	45,075	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	33,553	47,170	54,086	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	27,269	42,590	55,429	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4090	Miscellaneous Construction and Related Workers	28,015	39,848	47,198	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	23,218	33,602	39,294	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	33,671	44,349	50,197	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	24,432	53,107	68,644	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	26,657	42,490	42,179	No	No	No	High school diploma or equivalent	Yes	Yes	No
47-5041	Continuous Mining Machine Operators	35,561	56,594	67,517	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	35,561	56,594	67,517	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	30,046	36,737	38,990	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	33,671	44,349	50,197	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	23,218	33,602	39,294	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	27,705	39,759	46,029	No	No	No	High school diploma or equivalent	Yes	No	No
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	34,944	55,634	71,348	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	40,845	67,308	80,471	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	27,767	38,918	42,795	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	34,962	62,007	78,309	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	39,032	56,362	71,069	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	29,776	62,862	92,182	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	27,043	37,483	44,764	No	No	No	High school diploma or equivalent	Yes	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	33,132	53,959	67,968	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 12 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	31,571	48,180	56,644	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	37,343	64,773	85,694	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	18,216	27,637	34,256	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	23,898	53,957	65,213	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	25,170	39,483	49,505	No	No	No	Postsecondary nondegree award	No	No	No
49-3011	Aircraft Mechanics and Service Technicians	36,161	74,067	96,309	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	26,258	45,110	50,542	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	22,374	38,659	46,049	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	21,867	41,145	49,344	No	No	No	Postsecondary nondegree award	No	No	No
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	35,512	51,067	59,488	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	28,003	38,857	44,218	No	No	No	High school diploma or equivalent	Yes	No	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	34,399	47,542	53,967	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	35,836	54,958	62,335	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	27,638	41,070	50,910	No	No	No	Postsecondary nondegree award	Yes	No	Yes
49-3052	Motorcycle Mechanics	21,591	34,890	41,833	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	20,804	36,215	41,421	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	21,895	29,478	33,533	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	39,010	65,169	81,955	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	20,970	27,474	30,710	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	22,557	29,257	31,314	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	32,965	68,317	90,459	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	31,296	45,764	52,422	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	29,982	41,985	49,536	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9041	Industrial Machinery Mechanics	31,408	50,451	61,039	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	26,327	36,040	40,321	No	No	No	High school diploma or equivalent	Yes	No	No
49-9044	Millwrights	31,506	49,159	60,621	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	23,463	33,259	37,726	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	33,061	63,170	82,839	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	31,427	42,583	48,147	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9061	Camera and Photographic Equipment Repairers	19,054	40,695	53,871	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	36,718	54,027	63,499	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9063	Musical Instrument Repairers and Tuners	23,267	34,601	39,441	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	21,494	42,918	53,303	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	37,599	55,732	63,873	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	24,546	37,530	41,808	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	44,123	72,249	87,777	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18,708	35,013	47,301	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	28,496	39,526	44,047	No	No	No	Postsecondary nondegree award	Yes	No	No
49-9094	Locksmiths and Safe Repairers	29,547	47,040	52,813	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9095	Manufactured Building and Mobile Home Installers	20,925	28,802	31,476	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	30,051	53,273	66,978	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	38,902	64,970	78,215	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	22,636	30,441	33,628	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	23,635	44,163	54,400	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-1011	First-Line Supervisors of Production and Operating Workers	35,936	59,970	68,895	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	18,878	40,479	52,304	No	No	No	Postsecondary nondegree award	No	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	18,388	35,120	49,002	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	21,389	30,250	36,024	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	25,089	29,723	31,182	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	25,852	35,526	40,684	No	No	No	High school diploma or equivalent	Yes	No	No
51-2051	Fiberglass Laminators and Fabricators	27,261	36,748	41,584	No	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters	26,872	34,552	39,833	No	No	No	High school diploma or equivalent	Yes	No	No
51-2090	Miscellaneous Assemblers and Fabricators	19,979	31,828	37,319	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	21,961	30,678	36,002	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	22,841	35,533	43,366	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	28,080	34,408	38,488	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	21,964	28,047	30,790	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	25,118	33,210	37,285	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	20,507	26,882	29,532	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	19,084	27,538	31,976	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,769	26,813	30,075	No	No	No	No formal educational credential	Yes	No	Yes
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	25,295	34,915	39,646	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	25,931	35,022	38,755	No	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	27,768	35,560	39,552	No	No	No	High school diploma or equivalent	Yes	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	24,822	35,753	41,155	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	32,848	54,028	65,970	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	25,280	33,571	38,131	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,405	28,222	30,915	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	33,142	43,653	49,541	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No

Workforce Region 12 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	26,750	44,018	53,541	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	30,095	41,596	48,375	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	25,735	40,626	48,698	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	32,848	54,028	65,970	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	29,321	52,264	61,708	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	21,062	36,992	46,945	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	21,386	29,005	30,997	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24,983	34,238	39,302	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	42,022	53,237	60,828	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	30,164	42,448	49,061	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	21,833	33,080	42,773	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	21,974	34,200	39,333	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	24,593	30,481	34,443	No	No	No	High school diploma or equivalent	No	No	No
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	27,755	44,626	51,921	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4194	Tool Grinders, Filers, and Sharpeners	25,794	35,277	39,088	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	26,215	32,006	36,578	No	No	No	High school diploma or equivalent	Yes	No	No
51-5111	Prepress Technicians and Workers	21,364	36,879	41,428	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	19,329	33,828	40,517	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	22,293	31,535	36,106	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	19,984	25,248	28,387	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	19,879	24,893	27,493	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	22,784	32,430	37,949	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	19,407	30,369	36,551	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,682	29,252	35,297	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,769	27,959	33,308	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	21,223	27,093	30,929	No	No	No	No formal educational credential	Yes	No	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	25,275	30,477	34,660	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	18,902	24,751	29,085	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18,682	25,912	29,507	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,651	44,329	69,007	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	37,344	67,517	80,439	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	18,447	29,007	30,859	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	26,062	37,707	44,724	No	No	No	High school diploma or equivalent	Yes	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	20,566	24,752	25,088	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	28,426	41,000	48,524	No	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Furniture Finishers	19,505	36,169	44,829	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood	29,321	52,264	61,708	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood	32,848	54,028	65,970	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	22,803	31,961	35,731	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	23,345	34,311	39,993	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	22,375	40,009	55,693	No	No	No	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	68,997	94,340	106,929	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	29,308	74,560	99,432	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	45,069	71,121	88,101	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	37,245	66,923	82,479	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	30,854	51,678	62,690	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	31,221	50,912	61,973	Yes	Yes	Yes	Associate's degree	No	No	Yes
51-8092	Gas Plant Operators	32,426	46,984	56,438	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	29,781	50,256	58,495	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	35,411	56,358	62,689	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	21,333	30,628	36,478	No	No	No	High school diploma or equivalent	No	No	No
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	26,654	34,392	40,801	No	No	No	High school diploma or equivalent	Yes	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	28,627	42,112	49,071	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9022	Grinding and Polishing Workers, Hand	21,573	31,587	37,196	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	25,381	35,166	39,116	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	19,899	40,714	58,443	No	No	Yes	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	27,128	33,710	37,782	No	No	No	High school diploma or equivalent	Yes	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	25,526	34,599	39,050	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	22,552	32,289	37,168	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	25,120	43,155	51,688	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	26,247	52,080	65,125	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9081	Dental Laboratory Technicians	25,644	43,443	51,607	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	36,577	78,797	101,023	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	26,185	36,730	43,933	No	No	No	High school diploma or equivalent	Yes	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	21,802	32,682	38,391	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	20,259	36,972	46,429	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	25,677	40,070	45,680	No	No	No	High school diploma or equivalent	No	No	No
51-9141	Semiconductor Processing Technicians	27,812	40,969	48,032	No	No	No	High school diploma or equivalent	Yes	No	No

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	34,656	45,307	50,059	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9161	Computer Numerically Controlled Tool Operators	25,030	36,670	40,414	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	36,449	54,175	64,922	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	21,141	33,984	41,184	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	18,707	28,601	35,628	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	21,268	36,394	44,966	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	18,310	26,176	32,534	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	25,622	32,835	37,218	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	23,762	34,598	39,554	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	25,696	36,972	44,888	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	19,540	27,777	31,151	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	20,437	29,780	32,962	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	35,866	58,782	75,783	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	32,990	55,756	66,161	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	96,182	225,055	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	38,134	98,423	126,662	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	68,095	120,154	148,907	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	29,056	43,998	53,331	Yes	No	No	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	32,455	63,859	77,236	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	21,153	26,293	28,811	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,598	30,338	34,240	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	28,102	45,972	54,428	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	21,646	39,501	48,216	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	26,525	31,819	34,382	No	No	No	High school diploma or equivalent	Yes	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	18,674	24,243	28,418	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	19,899	25,797	28,467	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	52,460	65,872	72,563	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	52,940	66,518	75,717	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	34,053	55,634	66,508	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	52,940	66,518	75,717	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	21,934	41,331	58,250	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	28,380	54,224	70,780	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	23,355	40,313	47,768	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	59,060	116,918	195,641	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	19,573	43,026	54,811	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	32,230	71,897	88,071	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	25,167	39,127	48,042	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	19,062	23,144	25,733	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	20,458	26,372	29,637	No	No	No	No formal educational credential	Yes	No	No
53-6041	Traffic Technicians	30,149	42,837	49,402	Yes	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	46,232	96,736	118,600	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	18,733	23,143	24,880	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	21,951	32,454	37,592	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	26,863	35,346	41,956	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	43,489	65,823	77,270	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	33,445	47,200	54,802	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	26,431	40,714	42,791	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	26,661	37,545	42,144	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	19,336	27,252	31,056	No	No	No	No formal educational credential	No	No	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,161	31,428	35,553	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	19,983	30,904	37,724	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,491	24,549	25,180	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	21,198	29,549	33,891	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	34,415	63,883	76,805	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	30,122	47,691	56,040	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7073	Wellhead Pumpers	24,570	38,980	47,895	No	No	No	High school diploma or equivalent	No	No	No
53-7081	Refuse and Recyclable Material Collectors	31,651	41,134	47,334	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,603	33,279	39,921	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	26,387	33,646	31,836	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 12 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	28,543	47,820	56,206	
1	No formal educational credential	20,127	27,345	30,038	83
2	High school diploma or equivalent	25,840	41,871	48,953	233
3	Some college, no degree	25,160	40,354	47,056	48
4	Postsecondary nondegree award	27,203	41,844	49,969	85
5	Associate's degree	34,010	52,151	61,753	63
6	Bachelor's degree	42,292	82,042	99,822	172
7	Master's degree	49,502	75,710	87,761	42
8	Doctoral or professional degree	54,595	121,808	143,471	63

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	427	362	451	338	429	360
No formal educational credential	37.3%	62.7%	33.7%	66.3%	28.9%	71.1%
High school diploma or equivalent	61.4%	38.6%	73.8%	26.2%	71.7%	28.3%
Some college, no degree	37.5%	62.5%	35.4%	64.6%	33.3%	66.7%
Postsecondary nondegree award	38.8%	61.2%	34.1%	65.9%	35.3%	64.7%
Associate's degree	54.0%	46.0%	38.1%	61.9%	28.6%	71.4%
Bachelor's degree	58.1%	41.9%	64.5%	35.5%	63.4%	36.6%
Master's degree	71.4%	28.6%	64.3%	35.7%	54.8%	45.2%
Doctoral or professional degree	60.3%	39.7%	68.3%	31.7%	66.7%	33.3%

Workforce Region 13 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	69,670	157,369	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	43,817	110,980	144,668	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	18,522	62,793	134,060	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-2011	Advertising and Promotions Managers	46,705	106,509	123,688	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2021	Marketing Managers	80,063	149,304	186,662	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	42,285	112,830	152,359	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2030	Public Relations and Fundraising Managers	44,179	91,746	109,155	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3010	Administrative Services and Facilities Managers	48,398	101,504	122,086	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3021	Computer and Information Systems Managers	87,877	146,282	174,440	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	52,410	115,348	141,633	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	62,253	117,202	141,499	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	72,186	125,196	145,230	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	47,468	102,931	127,312	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3111	Compensation and Benefits Managers	63,451	102,563	121,532	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	70,871	134,591	163,706	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	64,816	106,350	137,551	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	35,570	76,472	81,073	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9021	Construction Managers	54,463	95,736	105,213	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	31,662	54,548	61,730	No	Yes	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	45,933	82,953	100,172	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9033	Education Administrators, Postsecondary	45,416	94,267	111,696	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9039	Education Administrators, All Other	50,025	82,487	106,740	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9041	Architectural and Engineering Managers	109,182	151,491	171,360	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	28,662	55,813	69,844	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	44,338	84,710	93,160	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	37,828	84,383	99,679	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	44,721	110,442	128,280	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-9121	Natural Sciences Managers	52,340	106,359	133,864	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	87,362	96,943	98,348	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	23,242	59,672	76,819	No	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	40,616	74,389	86,939	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9161	Emergency Management Directors	46,561	79,706	96,519	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9171	Funeral Home Managers	40,546	78,849	96,481	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	52,419	120,177	146,597	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	32,837	82,343	99,021	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1020	Buyers and Purchasing Agents	34,889	67,928	86,125	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	32,802	57,943	75,178	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	47,196	66,146	77,560	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	39,984	75,787	95,251	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	32,690	59,686	73,401	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	33,399	66,529	82,387	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	18,107	28,951	19,483	No	No	No	Bachelor's degree	No	No	No
13-1081	Logisticians	53,295	81,126	95,684	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1111	Management Analysts	54,336	86,401	103,273	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
13-1121	Meeting, Convention, and Event Planners	27,256	43,247	53,047	No	No	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	31,958	54,058	72,655	No	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	32,933	56,125	69,681	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	34,249	63,195	76,824	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	28,944	64,275	78,995	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	25,996	76,316	99,825	No	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	37,149	74,738	88,369	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	25,119	53,413	66,617	No	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	46,749	79,116	97,817	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2041	Credit Analysts	48,606	62,505	73,515	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2052	Personal Financial Advisors	29,863	98,983	121,657	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	33,261	67,483	85,750	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	50,507	81,839	105,363	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
13-2071	Credit Counselors	32,695	46,773	50,527	Yes	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	29,151	73,200	87,492	No	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	26,300	35,632	34,811	No	No	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	28,605	67,844	80,955	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	43,536	79,507	101,029	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	54,502	91,197	111,013	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	65,233	108,528	137,211	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	70,323	115,459	134,880	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	36,498	54,393	64,148	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
15-1232	Computer User Support Specialists	29,949	50,075	60,413	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	72,168	105,484	124,359	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	52,372	82,074	99,144	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1245	Database Administrators and Architects	49,727	100,630	124,556	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	44,454	71,062	85,761	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	68,130	110,756	131,077	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	33,935	53,539	62,787	Yes	Yes	Yes	Associate's degree	No	No	No

Workforce Region 13 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	43,395	83,897	104,087	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2011	Actuaries	47,581	112,379	138,586	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2021	Mathematicians	67,782	101,610	114,911	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	45,017	76,951	92,597	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2041	Statisticians	28,400	69,562	91,717	No	Yes	Yes	Master's degree	No	No	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	51,900	89,729	103,804	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-1011	Architects, Except Landscape and Naval	54,500	92,175	110,095	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	41,306	69,562	87,559	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1021	Cartographers and Photogrammetrists	42,297	65,318	77,589	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1022	Surveyors	33,547	56,917	58,912	Yes	Yes	No	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	71,348	121,590	140,652	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	42,086	77,637	95,999	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2031	Bioengineers and Biomedical Engineers	59,996	87,704	105,296	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	48,158	94,017	118,885	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2051	Civil Engineers	57,673	93,772	112,267	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	74,029	112,132	131,423	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	62,976	106,067	126,080	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	70,092	103,976	119,408	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	54,643	88,653	101,556	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	84,583	113,322	124,790	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	58,416	87,998	103,413	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-2121	Marine Engineers and Naval Architects	46,648	77,290	92,400	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2131	Materials Engineers	55,877	107,038	131,759	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	65,560	100,181	120,966	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	70,746	113,698	139,173	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	82,843	104,488	118,019	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	71,208	154,667	190,161	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	67,518	115,002	141,089	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	38,001	54,976	65,260	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
17-3012	Electrical and Electronics Drafters	27,007	52,187	64,538	No	No	Yes	Associate's degree	No	No	No
17-3013	Mechanical Drafters	34,569	61,898	77,833	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3019	Drafters, All Other	32,289	53,115	61,238	Yes	Yes	No	Associate's degree	No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	41,383	66,984	91,483	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	29,748	50,064	62,296	No	No	Yes	Associate's degree	No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	21,847	57,792	79,085	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	31,942	51,142	59,351	No	No	No	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	26,129	42,086	50,382	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	40,706	53,628	61,393	Yes	Yes	No	Associate's degree	Yes	No	No
17-3027	Mechanical Engineering Technologists and Technicians	32,315	48,916	58,527	Yes	No	No	Associate's degree	No	No	No
17-3031	Surveying and Mapping Technicians	30,212	46,364	56,389	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	35,606	62,951	77,327	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	40,017	62,354	74,644	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	30,893	55,983	70,457	No	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	30,643	69,543	94,383	No	Yes	Yes	Bachelor's degree	No	No	No
19-1021	Biochemists and Biophysicists	42,442	76,886	87,559	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	34,849	60,448	73,797	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	31,211	51,103	57,513	No	No	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	50,451	79,050	92,687	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1031	Conservation Scientists	32,558	66,954	83,681	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1032	Foresters	44,694	73,027	93,401	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1041	Epidemiologists	31,673	53,153	66,184	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	55,491	77,297	80,168	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1099	Life Scientists, All Other	48,524	100,388	125,901	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-2011	Astronomers	82,449	140,684	159,739	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
19-2012	Physicists	64,453	119,087	141,096	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-2021	Atmospheric and Space Scientists	64,440	97,363	113,280	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	64,448	92,356	108,903	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2032	Materials Scientists	47,802	99,320	129,154	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	33,587	62,406	79,599	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	62,864	108,379	130,249	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	45,146	92,150	108,289	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-2099	Physical Scientists, All Other	79,829	113,346	130,244	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	50,901	90,831	102,447	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	28,400	69,562	91,717	No	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	32,090	62,813	75,659	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	28,400	69,562	91,717	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	44,376	94,257	111,215	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	51,046	72,911	88,445	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	44,419	65,015	78,422	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	31,673	53,153	66,184	No	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	61,603	80,899	93,642	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	24,031	56,387	82,805	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists	60,294	95,884	110,532	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	52,614	79,898	94,392	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-4010	Agricultural and Food Science Technicians	18,565	35,108	42,519	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	28,976	46,703	54,003	No	No	No	Bachelor's degree	No	No	No

Workforce Region 13 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
19-4031	Chemical Technicians	29,733	41,616	48,327	No	No	No	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	33,912	43,775	51,277	Yes	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	25,330	44,809	54,260	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	67,782	92,679	105,046	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	25,946	51,767	60,025	No	No	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	30,046	45,242	54,097	No	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	31,220	41,913	48,060	No	No	No	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	27,159	61,443	92,685	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	39,133	81,052	102,905	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	32,686	59,486	74,044	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	31,132	42,804	49,618	No	No	No	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	28,834	40,864	48,082	No	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	21,404	33,963	39,333	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	24,432	41,413	48,069	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	28,039	38,200	42,447	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	24,593	39,734	47,255	No	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	30,184	55,371	69,903	No	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	27,064	43,465	50,557	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	40,020	52,832	63,200	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	29,093	56,560	71,583	No	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	32,625	39,229	42,299	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	25,976	40,261	46,818	No	No	No	Some college, no degree	Yes	Yes	Yes
21-1094	Community Health Workers	27,445	45,722	45,755	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	32,021	40,412	45,575	Yes	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	32,014	44,012	51,950	No	No	No	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	27,971	41,832	48,989	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	18,892	41,864	55,502	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	48,792	111,897	136,499	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	29,180	49,419	55,906	No	No	No	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	37,389	98,713	120,887	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	24,580	68,600	97,039	No	Yes	Yes	Bachelor's degree	No	No	No
23-1023	Judges, Magistrate Judges, and Magistrates	140,578	180,719	164,859	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	29,850	46,658	59,110	No	No	No	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	33,332	54,773	68,531	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	29,702	73,102	118,590	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	57,263	105,065	123,563	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	44,934	95,124	119,059	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	41,075	80,062	105,662	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	25,523	87,280	108,915	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	52,124	106,538	130,501	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	53,355	100,638	122,494	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	40,748	86,683	106,143	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	66,444	108,896	128,076	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	45,955	91,582	113,457	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	50,391	84,749	100,099	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	22,549	72,411	84,999	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	46,994	91,178	115,209	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	56,050	89,590	101,235	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	41,778	77,387	93,998	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	57,263	105,065	123,563	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	50,545	84,133	99,098	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	50,998	90,658	102,140	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	40,421	78,532	93,699	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	41,422	78,195	95,345	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	42,490	80,976	107,433	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	55,309	112,264	119,771	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	55,309	112,264	119,771	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	40,854	65,867	78,166	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	42,240	68,340	80,543	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	38,255	86,144	93,796	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	54,087	146,410	194,049	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1113	Social Work Teachers, Postsecondary	35,493	71,949	84,691	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	32,154	95,364	109,078	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	40,036	69,784	82,458	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	30,085	73,883	102,342	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	45,550	82,776	106,682	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	28,064	80,158	92,179	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	43,452	90,119	105,970	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	32,115	64,693	78,455	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	30,537	53,866	63,846	No	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	41,739	56,731	66,442	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,963	29,157	31,831	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	32,817	41,191	47,042	Yes	No	No	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	34,342	44,273	49,650	Yes	No	No	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	34,375	44,610	49,865	Yes	No	No	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	28,843	56,820	72,575	No	Yes	Yes	Bachelor's degree	No	No	No

Workforce Region 13 Wages by Detailed Occupation

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	35,300	46,360	51,053	Yes	No	No	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	41,999	62,777	71,429	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2051	Special Education Teachers, Preschool	30,845	59,861	76,145	No	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	32,052	43,324	48,979	Yes	No	No	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	39,478	57,388	67,358	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	41,710	50,856	57,530	Yes	No	No	Bachelor's degree	No	No	No
25-2059	Special Education Teachers, All Other	33,873	44,403	51,313	Yes	No	No	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	30,556	45,319	55,954	No	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	21,872	35,370	44,639	No	No	No	Some college, no degree	No	No	No
25-3031	Substitute Teachers, Short-Term	18,867	25,756	29,968	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	31,775	43,810	49,722	No	No	No	Bachelor's degree	No	No	No
25-4011	Archivists	26,302	41,913	48,823	No	No	No	Master's degree	No	No	No
25-4012	Curators	27,852	53,124	60,468	No	Yes	No	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	22,010	39,709	47,841	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	37,619	50,440	54,945	Yes	No	No	Master's degree	No	No	No
25-4031	Library Technicians	19,252	38,561	48,215	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	18,343	36,831	46,657	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	43,946	75,085	93,423	Yes	Yes	Yes	Master's degree	No	No	Yes
25-9044	Teaching Assistants, Postsecondary	18,420	36,696	47,350	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	24,210	29,457	31,427	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	22,578	48,255	61,574	No	No	No	Bachelor's degree	No	No	No
27-1011	Art Directors	35,705	68,862	80,837	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1012	Craft Artists	17,650	31,547	37,880	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,497	45,637	61,103	No	No	No	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	54,629	83,864	98,636	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	29,238	82,478	100,831	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	35,495	52,006	60,950	Yes	No	No	Bachelor's degree	No	No	No
27-1022	Fashion Designers	31,172	60,217	69,639	No	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	21,545	29,829	33,982	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	23,054	41,015	46,067	No	No	No	Bachelor's degree	No	No	No
27-1025	Interior Designers	30,088	52,185	68,452	No	No	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	21,420	30,100	31,932	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	21,760	47,360	58,812	No	No	No	Bachelor's degree	No	No	No
27-1029	Designers, All Other	30,893	56,503	64,808	No	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	20,618	42,578	47,362	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	33,558	58,500	72,500	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	18,259	28,964	20,221	No	No	No	Some college, no degree	No	No	No
27-2022	Coaches and Scouts	22,692	53,801	63,237	No	Yes	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	18,035	37,851	45,175	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	19,377	53,248	78,190	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	17,776	37,466	56,897	No	No	No	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	18,132	63,586	73,951	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,236	86,357	121,068	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,237	25,051	29,151	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	19,161	57,321	70,438	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	27,717	61,007	70,765	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	33,254	54,583	67,181	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	36,000	77,915	109,417	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
27-3042	Technical Writers	44,463	67,293	78,567	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	36,179	65,455	74,988	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	22,443	52,586	67,272	No	No	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,661	49,227	80,899	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	26,752	42,961	53,354	No	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	26,727	35,809	38,077	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	18,263	25,498	20,223	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	22,722	54,385	62,469	No	Yes	Yes	Associate's degree	No	Yes	No
27-4021	Photographers	26,406	37,421	39,033	No	No	No	Some college, no degree	Yes	No	No
27-4031	Camera Operators, Television, Video, and Film	27,980	46,993	60,439	No	No	No	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	38,911	55,185	70,612	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	23,800	78,205	101,533	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	43,861	69,039	79,360	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	88,103	210,872	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	61,440	226,154	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	86,193	174,117	200,179	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	77,252	206,791	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	55,117	168,718	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	42,717	60,232	70,388	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	47,648	94,460	118,198	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	107,652	127,454	144,641	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1071	Physician Assistants	88,081	112,855	128,612	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	90,242	176,991	175,138	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1122	Occupational Therapists	47,118	78,869	97,426	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	38,746	81,862	99,200	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	55,550	81,650	94,739	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	27,178	49,188	58,649	No	No	No	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	45,445	59,655	66,487	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	35,429	56,404	64,658	Yes	Yes	Yes	Master's degree	No	No	No
29-1128	Exercise Physiologists	34,194	52,114	63,990	Yes	No	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	30,566	49,583	58,033	No	No	No	Bachelor's degree	No	No	No
29-1131	Veterinarians	76,486	120,877	143,152	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	52,291	67,599	77,361	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	130,732	170,114	175,320	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	21,077	64,991	95,297	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	56,264	91,093	106,129	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	42,557	70,987	80,158	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	131,060	261,234	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	92,040	240,256	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	49,063	201,806	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	120,031	236,337	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	92,471	134,290	159,035	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
29-1223	Psychiatrists	111,066	251,230	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	76,017	223,247	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	50,054	235,624	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	56,835	69,601	77,442	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	20,855	64,808	78,128	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	27,485	48,803	62,096	No	No	Yes	Associate's degree	No	No	No
29-2031	Cardiovascular Technologists and Technicians	26,955	46,356	63,738	No	No	Yes	Associate's degree	No	No	No
29-2032	Diagnostic Medical Sonographers	54,874	70,327	79,719	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	49,531	72,400	83,094	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	39,293	56,958	64,932	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
29-2035	Magnetic Resonance Imaging Technologists	53,457	67,666	77,530	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	21,635	34,598	39,333	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	19,931	28,757	31,124	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	26,822	38,600	45,240	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	21,853	30,017	35,032	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	30,937	43,315	50,190	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	21,148	31,191	36,638	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	26,944	37,052	40,721	No	No	No	Postsecondary nondegree award	No	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	30,274	43,056	49,364	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	23,149	46,637	59,380	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	35,744	73,585	86,914	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	28,006	60,968	70,428	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	27,512	42,002	49,962	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	32,048	47,013	53,384	Yes	No	No	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	57,253	77,666	89,522	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	28,411	53,434	70,907	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	18,796	24,377	27,552	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	22,342	29,072	31,764	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	21,435	26,358	29,502	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	24,609	28,891	30,797	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	51,013	69,353	78,913	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	18,757	27,284	31,037	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	42,984	60,715	70,781	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	22,766	31,572	32,143	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	28,565	44,784	55,618	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9091	Dental Assistants	33,318	40,268	45,710	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
31-9092	Medical Assistants	25,666	32,211	36,768	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	26,662	33,369	38,041	No	No	No	High school diploma or equivalent	Yes	No	No
31-9094	Medical Transcriptionists	30,833	36,772	39,142	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9095	Pharmacy Aides	20,720	31,365	37,476	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	20,680	28,652	33,246	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	26,706	33,854	38,120	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	24,627	35,293	39,147	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	29,967	52,953	67,754	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	57,125	77,968	85,720	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	47,397	71,597	85,161	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	32,725	58,104	68,022	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	29,074	50,738	62,383	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	38,727	51,734	58,116	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	28,535	33,732	36,850	No	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	31,644	44,983	52,114	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	33,215	45,113	51,412	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	36,043	76,305	122,469	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	20,413	27,390	29,584	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	20,801	27,376	30,830	No	No	No	High school diploma or equivalent	No	No	No
33-3051	Police and Sheriff's Patrol Officers	41,131	50,047	54,987	Yes	No	No	Associate's degree	Yes	No	No
33-3052	Transit and Railroad Police	43,318	62,402	74,086	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	26,110	37,312	42,182	No	No	No	Postsecondary nondegree award	No	No	No

Workforce Region 13 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	32,106	47,485	57,869	Yes	No	No	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	24,089	33,434	37,890	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	22,956	45,042	59,787	No	No	No	High school diploma or equivalent	No	Yes	Yes
33-9091	Crossing Guards and Flaggers	20,018	27,063	30,190	No	No	No	No formal educational credential	No	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	20,952	24,076	25,188	No	No	No	No formal educational credential	Yes	No	No
33-9093	Transportation Security Screeners	36,050	42,138	45,937	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	19,941	33,626	38,660	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	27,213	41,548	50,880	No	No	No	Associate's degree	No	No	No
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	22,854	38,832	46,704	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,273	21,081	22,979	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	21,445	29,437	31,357	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2013	Cooks, Private Household	20,259	29,026	34,050	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	21,465	27,865	31,166	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	19,228	25,200	28,801	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	20,855	29,401	34,579	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	18,991	24,018	26,570	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,575	24,333	25,810	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,674	22,587	23,734	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,602	27,617	34,934	No	No	No	No formal educational credential	No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	19,039	22,371	24,110	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,978	28,219	30,847	No	No	No	No formal educational credential	No	Yes	Yes
35-9021	Dishwashers	18,716	22,237	24,178	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,432	20,519	20,778	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	18,209	26,466	29,584	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	27,030	38,141	44,101	No	No	No	High school diploma or equivalent	Yes	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	33,530	51,535	60,576	Yes	No	No	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	20,032	28,018	31,760	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,822	25,723	29,295	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	20,769	35,128	50,757	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	21,800	34,280	42,107	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	19,373	28,020	32,851	No	No	No	No formal educational credential	No	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	30,097	37,315	40,812	No	No	No	High school diploma or equivalent	Yes	No	No
37-3013	Tree Trimmers and Pruners	21,394	34,762	43,751	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	25,196	34,492	38,150	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	35,128	53,933	63,624	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	22,513	44,406	57,562	No	No	No	Some college, no degree	No	Yes	Yes
39-2011	Animal Trainers	21,405	35,322	39,988	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	18,919	25,055	26,942	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	17,737	24,147	27,246	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,959	26,514	29,940	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,383	33,357	34,454	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	18,353	28,795	31,557	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	18,343	24,522	27,226	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,516	21,029	22,800	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	25,205	54,183	70,602	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	18,728	26,620	30,344	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,237	25,051	29,151	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	32,625	54,780	55,819	Yes	Yes	No	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	20,499	28,843	30,479	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	37,039	48,666	52,645	Yes	No	No	Associate's degree	Yes	No	No
39-5011	Barbers	21,086	30,614	36,427	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,189	37,514	43,678	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	35,041	68,013	78,474	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	19,517	26,023	28,660	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	18,536	25,340	29,238	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,879	35,324	41,679	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	18,122	24,031	27,419	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	22,597	28,182	30,768	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	26,484	30,329	31,852	No	No	No	High school diploma or equivalent	Yes	No	No
39-9011	Childcare Workers	19,797	25,807	28,094	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	19,472	39,005	48,462	No	No	No	Postsecondary nondegree award	No	No	Yes
39-9032	Recreation Workers	19,937	31,130	37,240	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	28,435	39,680	46,817	No	No	No	Some college, no degree	Yes	Yes	Yes
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	18,561	21,735	20,283	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	29,190	47,282	57,655	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	45,804	83,944	108,484	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,202	23,632	25,362	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,276	27,544	34,050	No	No	No	No formal educational credential	No	Yes	Yes
41-2021	Counter and Rental Clerks	19,077	28,283	32,319	No	No	No	No formal educational credential	No	Yes	Yes
41-2022	Parts Salespersons	27,393	41,543	49,891	No	No	No	High school diploma or equivalent	Yes	No	Yes
41-2031	Retail Salespersons	19,884	29,078	32,039	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	21,242	55,044	74,221	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	33,081	63,233	72,465	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	35,750	63,497	69,253	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	24,823	31,838	36,936	No	No	No	Some college, no degree	No	No	No

Workforce Region 13 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	27,598	56,515	65,315	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	31,913	88,454	118,212	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	29,950	70,305	96,506	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,922	37,765	47,494	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models	19,922	37,765	47,494	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	25,735	64,308	66,945	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	19,238	58,822	68,003	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	54,000	107,471	138,788	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	19,102	24,591	26,693	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	18,093	26,533	28,824	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,353	29,020	30,745	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	27,544	52,272	61,737	No	No	No	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	22,688	29,515	32,403	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	23,223	30,229	31,403	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	28,420	39,333	46,503	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	26,923	39,535	41,382	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	28,608	36,279	39,733	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	23,846	37,873	45,062	No	No	No	Some college, no degree	No	No	No
43-3041	Gambling Cage Workers	19,094	26,909	30,412	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	19,753	43,436	50,885	No	No	No	Some college, no degree	No	Yes	Yes
43-3061	Procurement Clerks	27,605	42,565	50,835	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	27,564	34,358	38,166	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	34,633	46,488	52,672	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	38,112	52,274	61,523	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	28,179	40,296	46,859	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	26,797	39,935	45,792	No	No	No	Some college, no degree	Yes	Yes	No
43-4041	Credit Authorizers, Checkers, and Clerks	27,390	41,691	47,831	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	21,960	32,637	36,174	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	26,988	37,785	43,612	No	No	No	High school diploma or equivalent	Yes	No	No
43-4071	File Clerks	23,878	32,939	38,074	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	20,396	25,951	29,269	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	18,478	27,039	35,374	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	20,939	26,861	30,220	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	21,413	39,998	47,990	No	No	No	High school diploma or equivalent	No	No	No
43-4141	New Accounts Clerks	28,670	39,170	44,549	No	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	21,908	35,193	44,853	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	28,629	39,863	45,356	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	21,036	28,795	32,607	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	29,259	54,167	72,325	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-4199	Information and Record Clerks, All Other	27,217	38,199	45,001	No	No	No	High school diploma or equivalent	Yes	No	No
43-5011	Cargo and Freight Agents	26,377	47,530	63,078	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	26,082	29,810	31,705	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	29,425	39,008	45,156	No	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	24,140	34,474	39,352	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	27,465	33,785	38,091	No	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,768	52,328	62,996	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,056	52,558	65,031	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	33,145	49,669	60,612	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	27,981	48,197	59,996	No	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	21,633	33,644	38,065	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	32,909	42,398	48,688	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-6011	Executive Secretaries and Executive Administrative Assistants	33,822	51,549	62,407	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	22,006	37,069	46,627	No	No	No	Some college, no degree	No	No	Yes
43-6013	Medical Secretaries and Administrative Assistants	26,766	36,904	42,853	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	25,851	39,805	47,752	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	21,436	34,778	39,664	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	19,546	31,615	37,736	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	27,688	50,930	55,656	No	No	No	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	26,630	40,488	45,781	No	No	No	High school diploma or equivalent	Yes	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	22,021	32,198	38,684	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	20,219	32,921	38,477	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	23,887	32,068	37,190	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	25,609	40,738	54,010	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	31,567	53,230	65,222	No	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	34,158	47,459	53,999	Yes	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	30,123	53,663	59,082	No	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	19,739	35,907	45,425	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders										
45-2041	Graders and Sorters, Agricultural Products	24,676	32,625	36,629	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	22,308	32,289	36,908	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	18,276	23,675	24,599	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	20,191	31,028	39,766	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 13 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	18,921	27,910	28,198	No	No	No	No formal educational credential	No	Yes	No
45-3031	Fishing and Hunting Workers	20,191	31,028	39,766	No	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	34,877	39,824	43,270	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	26,389	36,148	39,641	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	18,083	34,887	44,424	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	22,222	32,077	37,351	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,988	45,608	57,446	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	41,723	62,827	71,961	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	33,751	49,949	58,610	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	27,945	40,098	47,886	No	No	No	High school diploma or equivalent	Yes	No	No
47-2022	Stonemasons	31,673	38,063	41,941	No	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	27,881	40,869	48,540	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	18,016	31,384	40,488	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	23,117	38,496	50,141	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	25,176	34,454	39,353	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	19,306	46,346	58,358	No	No	No	No formal educational credential	No	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	33,639	42,562	47,656	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	32,741	43,106	48,476	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2061	Construction Laborers	20,442	31,610	36,886	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	32,496	37,064	40,090	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	32,404	48,746	58,071	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	27,375	41,629	48,347	No	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	27,984	37,979	40,592	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	18,199	39,574	48,495	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	34,065	49,564	59,325	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	28,106	40,580	47,641	No	No	No	High school diploma or equivalent	Yes	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	26,418	37,909	44,569	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	28,160	38,390	44,405	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	28,700	40,823	46,370	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	31,778	46,080	58,985	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	27,071	35,292	39,461	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	34,003	48,425	56,015	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	20,682	29,224	35,684	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	30,441	43,760	50,324	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	18,581	33,732	44,857	No	No	No	No formal educational credential	No	Yes	Yes
47-2211	Sheet Metal Workers	31,469	47,943	57,603	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	25,620	50,846	62,384	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-2231	Solar Photovoltaic Installers	24,551	34,752	38,871	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	21,375	29,353	34,377	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	21,529	31,259	36,562	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	22,475	28,388	31,079	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	19,922	27,169	31,653	No	No	No	No formal educational credential	No	No	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	21,052	26,009	28,400	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	23,771	32,914	37,678	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	23,746	30,043	32,075	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	35,164	59,131	72,404	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	39,872	74,740	94,103	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	25,795	43,638	57,207	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	26,004	38,304	45,425	No	No	No	High school diploma or equivalent	No	No	No
47-4051	Highway Maintenance Workers	26,023	32,624	37,506	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	32,962	46,340	53,134	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	24,820	36,831	39,766	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	26,331	37,447	42,365	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	33,078	43,568	49,313	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	24,002	52,172	67,435	No	No	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	30,368	46,225	50,547	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5041	Continuous Mining Machine Operators	34,935	55,598	66,329	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	34,935	55,598	66,329	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	29,517	36,090	38,304	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	33,078	43,568	49,313	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	22,809	33,010	38,602	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	34,386	44,239	50,892	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	34,329	54,655	70,092	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	41,789	63,403	76,058	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	27,729	36,839	41,058	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	30,171	55,579	70,900	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	35,999	53,606	68,906	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	44,053	61,486	68,628	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	27,246	41,739	49,390	No	No	No	High school diploma or equivalent	Yes	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	32,548	53,009	66,771	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 13 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	38,156	65,514	79,754	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	40,864	69,100	87,752	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	27,735	33,822	38,027	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2097	Audiovisual Equipment Installers and Repairers	23,357	42,346	53,750	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	33,392	40,990	46,739	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	34,524	55,740	65,170	Yes	Yes	Yes	Associate's degree	No	Yes	No
49-3021	Automotive Body and Related Repairers	26,158	49,596	61,553	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	21,057	36,090	41,614	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	21,196	36,188	41,065	No	No	No	Postsecondary nondegree award	No	No	No
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	33,529	47,575	55,005	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	25,581	40,912	49,602	No	No	No	High school diploma or equivalent	No	No	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	37,147	53,623	64,176	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	35,205	53,991	61,238	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	29,384	47,446	57,819	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	24,695	35,493	41,778	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	27,134	35,988	42,155	No	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	21,510	28,959	32,943	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	26,341	46,224	58,379	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	21,505	31,489	38,190	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	24,966	37,282	41,174	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	32,521	40,106	45,105	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	32,652	44,900	52,938	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	20,834	31,704	37,743	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	32,705	52,053	61,217	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	26,062	33,245	38,623	No	No	No	High school diploma or equivalent	No	No	No
49-9044	Millwrights	30,951	48,293	59,553	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	23,049	32,673	37,062	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	33,867	58,663	74,509	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	29,372	44,290	50,343	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	18,719	39,978	52,922	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	18,607	41,490	54,748	No	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	22,857	33,992	38,746	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	21,115	42,163	52,364	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	36,937	54,751	62,748	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	20,545	35,814	42,782	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	43,346	70,977	86,231	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18,815	29,680	35,888	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	32,664	48,466	49,227	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	27,455	36,590	40,388	No	No	No	High school diploma or equivalent	Yes	No	No
49-9095	Manufactured Building and Mobile Home Installers	20,557	28,295	30,922	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	32,602	48,317	68,868	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	38,217	63,826	76,838	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	25,788	34,268	38,313	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	27,433	41,677	48,290	No	No	No	High school diploma or equivalent	Yes	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	35,445	61,481	74,561	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	33,415	40,441	41,078	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
51-2021	Coil Winders, Tapers, and Finishers	18,064	34,502	48,139	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	24,343	32,138	36,831	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	24,647	29,199	30,633	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	26,590	41,726	51,609	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-2051	Fiberglass Laminators and Fabricators	26,737	36,171	39,871	No	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters	26,399	33,944	39,131	No	No	No	High school diploma or equivalent	Yes	No	No
51-2090	Miscellaneous Assemblers and Fabricators	22,272	34,103	39,043	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	21,449	27,631	31,295	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	27,221	36,534	42,508	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	29,430	35,489	39,205	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	21,577	27,554	30,248	No	No	No	No formal educational credential	Yes	Yes	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	24,676	32,625	36,629	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	19,084	29,286	33,848	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	18,748	27,053	31,413	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,403	26,341	29,546	No	No	No	No formal educational credential	Yes	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	24,849	34,300	38,948	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	25,475	34,406	38,073	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	25,648	35,291	41,277	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	24,890	42,365	54,196	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	32,269	53,076	64,808	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,227	31,080	37,212	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,222	36,696	43,144	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	32,558	42,885	48,669	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 13 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	30,167	42,530	49,283	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	29,565	40,864	47,523	No	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	25,282	39,911	47,841	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	32,269	53,076	64,808	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	28,805	51,344	60,622	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	20,692	36,340	46,118	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	20,799	31,321	38,781	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	26,610	47,398	68,873	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4111	Tool and Die Makers	36,514	58,296	68,877	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	27,583	41,498	47,503	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	19,932	29,654	34,801	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	21,587	33,597	38,640	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	27,659	44,136	54,905	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	27,525	37,485	40,575	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,340	34,656	38,400	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	20,509	32,991	37,505	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	22,000	37,274	44,501	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	18,536	27,170	31,118	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	20,191	30,691	36,985	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	19,104	23,458	25,024	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	21,012	26,156	29,469	No	No	No	No formal educational credential	Yes	No	No
51-6031	Sewing Machine Operators	21,300	26,395	28,996	No	No	No	No formal educational credential	Yes	No	No
51-6041	Shoe and Leather Workers and Repairers	19,065	29,834	35,907	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,353	28,737	34,675	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,403	27,467	32,722	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	23,294	30,254	33,949	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	24,830	29,940	34,050	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20,384	30,210	35,455	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18,353	25,455	28,987	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,287	43,549	67,791	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	36,687	66,329	79,023	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	18,122	28,497	30,316	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	21,984	33,184	39,964	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	18,007	26,524	32,404	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	24,126	37,198	45,110	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	19,161	35,532	44,039	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood	28,805	51,344	60,622	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	20,942	29,623	32,943	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	21,835	30,077	34,796	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	21,981	39,304	54,712	No	No	No	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	67,782	92,679	105,046	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	48,928	78,320	98,184	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	43,346	70,977	86,231	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	37,582	56,108	63,326	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	30,015	45,142	53,864	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	30,672	50,016	60,881	No	No	No	Associate's degree	No	No	No
51-8092	Gas Plant Operators	31,855	46,157	55,444	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	29,257	49,371	57,465	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	37,716	57,657	61,757	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	25,754	43,039	54,433	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	23,354	36,204	42,468	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	23,001	34,675	39,949	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	22,193	32,298	36,600	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	19,173	33,961	36,733	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	20,210	34,117	40,661	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	24,054	33,870	39,008	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,953	32,712	37,158	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	22,154	31,721	36,513	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	26,670	41,839	48,791	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	23,531	43,539	55,540	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	27,865	47,309	59,975	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9082	Medical Appliance Technicians	24,618	44,415	52,191	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	23,520	38,168	46,097	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	18,888	26,073	27,723	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	30,508	45,978	57,420	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	27,823	44,265	51,369	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9141	Semiconductor Processing Technicians	27,323	40,248	47,186	No	No	No	High school diploma or equivalent	Yes	No	No

Workforce Region 13 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	23,280	40,450	48,476	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	27,792	36,784	40,282	No	No	No	Postsecondary nondegree award	Yes	No	No
51-9162	Computer Numerically Controlled Tool Programmers	34,699	47,679	54,731	Yes	No	No	Associate's degree	No	No	No
51-9191	Adhesive Bonding Machine Operators and Tenders	20,769	33,386	40,459	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	23,040	33,395	38,361	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	20,894	35,753	44,174	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,987	25,715	31,961	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	25,919	34,533	38,886	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	24,763	35,426	39,863	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	25,244	36,321	44,097	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	22,918	31,651	35,779	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	20,545	32,713	38,209	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	33,492	61,257	76,039	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	30,060	48,207	54,648	No	No	No	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	94,488	221,092	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	41,508	121,686	152,396	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	66,896	118,038	146,285	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	24,464	44,877	58,139	No	No	No	Some college, no degree	No	Yes	Yes
53-2031	Flight Attendants	29,642	56,050	64,741	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	21,096	28,083	30,479	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,238	28,733	32,503	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	30,627	43,052	49,734	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	19,999	37,207	43,975	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	28,117	37,936	41,786	No	No	No	High school diploma or equivalent	Yes	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	23,135	29,300	32,055	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,029	40,707	53,239	No	No	No	High school diploma or equivalent	No	No	Yes
53-4011	Locomotive Engineers	51,537	64,712	71,285	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	52,008	65,347	74,384	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	33,453	54,655	65,337	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	52,008	65,347	74,384	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	21,548	40,604	57,224	No	No	No	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	27,881	53,269	69,533	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	21,798	36,576	41,499	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	42,669	67,221	84,064	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	19,229	42,269	53,846	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	31,663	70,631	86,520	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	21,810	33,408	49,888	No	No	No	High school diploma or equivalent	No	No	Yes
53-6021	Parking Attendants	18,360	23,231	26,344	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	21,077	26,577	29,964	No	No	No	No formal educational credential	Yes	No	No
53-6041	Traffic Technicians	29,677	40,193	45,044	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	55,684	91,666	118,657	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	18,093	23,665	25,513	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	21,702	31,952	37,437	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,258	32,693	39,218	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	41,114	60,962	76,554	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	32,856	46,368	53,837	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	25,966	39,997	42,038	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	26,460	37,628	44,152	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	19,534	28,341	31,295	No	No	No	No formal educational credential	No	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	22,481	31,334	35,063	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	19,258	31,249	37,351	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,027	23,035	24,863	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	21,055	28,786	32,731	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	33,809	62,758	75,452	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	19,537	39,199	46,696	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	24,137	38,294	47,052	No	No	No	High school diploma or equivalent	No	No	No
53-7081	Refuse and Recyclable Material Collectors	29,424	38,779	43,842	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,258	32,693	39,218	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	22,357	41,085	56,828	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 13 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	32,021	52,602	61,798	
1	No formal educational credential	20,080	27,359	30,827	81
2	High school diploma or equivalent	26,158	41,968	49,733	231
3	Some college, no degree	25,407	39,004	45,936	48
4	Postsecondary nondegree award	27,347	39,915	46,532	85
5	Associate's degree	34,802	54,001	66,165	63
6	Bachelor's degree	49,021	86,237	104,115	172
7	Master's degree	46,727	75,513	88,689	41
8	Doctoral or professional degree	69,358	147,443	150,628	63

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	467	317	463	321	462	322
No formal educational credential	43.2%	56.8%	29.6%	70.4%	30.9%	69.1%
High school diploma or equivalent	63.6%	36.4%	74.9%	25.1%	73.6%	26.4%
Some college, no degree	39.6%	60.4%	33.3%	66.7%	31.3%	68.8%
Postsecondary nondegree award	34.1%	65.9%	29.4%	70.6%	31.8%	68.2%
Associate's degree	63.5%	36.5%	55.6%	44.4%	65.1%	34.9%
Bachelor's degree	69.8%	30.2%	66.9%	33.1%	67.4%	32.6%
Master's degree	68.3%	31.7%	63.4%	36.6%	53.7%	46.3%
Doctoral or professional degree	77.8%	22.2%	77.8%	22.2%	73.0%	27.0%

Workforce Region 14 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	97,500	235,174	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	45,443	110,895	137,572	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	18,569	71,757	97,723	No	Yes	Yes	Bachelor's degree	No	No	No
11-2011	Advertising and Promotions Managers	82,527	134,213	169,880	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	72,573	139,325	164,279	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	70,123	152,264	195,108	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	41,885	92,423	113,934	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3010	Administrative Services and Facilities Managers	44,400	89,702	111,931	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	87,718	145,554	174,641	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	70,938	137,989	166,812	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	62,082	109,216	130,348	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	60,126	108,457	141,926	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	39,983	90,659	112,229	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3111	Compensation and Benefits Managers	69,405	95,047	110,322	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	68,262	118,982	144,906	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	67,815	106,097	126,389	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	36,369	78,189	82,893	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9021	Construction Managers	46,455	98,594	110,605	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	33,350	49,068	52,212	Yes	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	67,960	95,342	112,197	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	46,900	91,646	106,951	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9039	Education Administrators, All Other	54,252	88,128	102,345	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9041	Architectural and Engineering Managers	94,432	142,830	162,954	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	31,698	52,473	60,234	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	45,333	86,613	95,252	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	26,214	47,517	48,600	No	No	No	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	57,929	115,943	133,230	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	51,726	91,379	117,708	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	79,647	97,219	106,454	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	33,597	56,024	61,476	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	40,063	73,809	94,282	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9161	Emergency Management Directors	46,380	74,828	83,119	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9171	Funeral Home Managers	28,562	65,941	81,965	No	Yes	Yes	Associate's degree	No	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	45,736	104,806	135,178	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	33,574	84,192	101,245	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	37,277	63,334	77,443	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	37,397	64,995	80,810	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	48,256	67,631	79,301	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	35,883	65,738	83,207	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	36,495	65,130	83,485	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	36,849	61,936	76,726	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	80,720	111,000	122,718	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1081	Logisticians	44,685	76,801	93,081	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1111	Management Analysts	31,085	79,912	99,304	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1121	Meeting, Convention, and Event Planners	26,461	45,896	53,470	No	No	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	31,766	57,991	67,036	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	39,872	58,452	67,602	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	26,024	60,503	78,970	No	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	30,659	59,888	73,184	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	36,399	74,371	93,889	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	42,549	73,673	85,269	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	24,721	44,427	58,811	No	No	No	Bachelor's degree	No	No	No
13-2031	Budget Analysts	52,558	84,056	100,603	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2041	Credit Analysts	52,636	88,500	102,261	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	42,380	97,625	105,643	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	38,722	62,458	69,524	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	53,256	87,791	101,349	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	30,561	55,145	70,255	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2072	Loan Officers	43,425	77,460	94,337	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	30,416	49,521	55,043	Yes	No	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	18,952	46,347	60,093	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	43,929	79,078	92,348	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1211	Computer Systems Analysts	45,972	80,938	100,097	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
15-1212	Information Security Analysts	52,432	81,712	101,150	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
15-1221	Computer and Information Research Scientists	66,780	96,008	111,790	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	47,056	77,759	97,437	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	28,542	49,728	60,934	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	56,975	103,456	127,894	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	49,983	81,976	99,060	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
15-1245	Database Administrators and Architects	33,336	82,162	118,106	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-1251	Computer Programmers	39,646	78,609	95,336	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	50,694	98,123	123,550	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	31,029	72,197	98,133	Yes	Yes	Yes	Associate's degree	No	Yes	Yes

Workforce Region 14 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	37,224	85,350	112,509	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2011	Actuaries	48,649	114,903	141,697	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	69,304	103,892	117,491	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	40,937	71,139	84,073	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2041	Statisticians	58,179	101,096	125,004	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	48,438	79,239	99,250	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
17-1011	Architects, Except Landscape and Naval	61,380	102,154	129,845	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	42,234	71,124	89,525	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1021	Cartographers and Photogrammetrists	43,247	66,785	79,331	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1022	Surveyors	42,422	59,828	68,873	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	65,693	107,788	128,482	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	43,031	79,380	98,155	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2031	Bioengineers and Biomedical Engineers	64,868	95,289	114,915	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	49,240	96,128	121,555	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	28,459	73,491	99,061	No	Yes	Yes	Bachelor's degree	No	No	Yes
17-2061	Computer Hardware Engineers	51,254	79,994	95,676	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2071	Electrical Engineers	73,428	115,310	139,558	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	67,663	96,224	109,353	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	56,252	98,088	124,882	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	68,912	102,591	118,414	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	52,642	85,851	101,616	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	47,695	79,026	94,475	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2131	Materials Engineers	34,935	80,905	117,964	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
17-2141	Mechanical Engineers	41,541	75,550	91,481	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	72,335	116,251	142,298	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	84,704	106,834	120,669	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	72,807	158,140	194,431	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	32,274	74,366	99,739	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
17-3011	Architectural and Civil Drafters	44,615	61,090	66,071	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	23,016	51,415	63,813	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3013	Mechanical Drafters	44,546	72,239	88,772	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	23,329	41,274	49,253	No	No	No	Associate's degree	No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	40,069	67,562	87,144	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	37,646	57,624	68,755	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	42,101	56,737	63,997	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	33,320	42,530	47,741	Yes	No	No	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	35,059	57,369	71,360	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3026	Industrial Engineering Technologists and Technicians	30,108	55,050	67,380	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	37,672	54,200	63,206	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3031	Surveying and Mapping Technicians	28,708	39,873	41,481	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	40,447	59,042	70,416	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	40,915	63,754	76,320	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	31,587	57,240	72,039	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	31,331	71,105	96,502	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1021	Biochemists and Biophysicists	43,395	78,613	89,525	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	38,914	73,453	96,241	Yes	Yes	Yes	Master's degree	No	No	Yes
19-1023	Zoologists and Wildlife Biologists	31,911	52,251	58,804	Yes	Yes	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	39,685	81,007	114,193	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1031	Conservation Scientists	38,420	94,597	123,667	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1032	Foresters	45,697	74,667	95,498	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1041	Epidemiologists	32,384	54,347	67,670	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	47,980	92,256	107,553	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	49,614	102,642	128,728	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	84,300	143,843	163,326	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	84,300	143,843	163,326	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	58,253	97,407	114,490	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	42,953	67,307	81,059	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	66,611	110,928	143,041	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	37,366	66,980	83,095	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	59,951	90,205	102,759	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	45,622	80,709	99,195	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-2099	Physical Scientists, All Other	43,255	74,132	86,963	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-3011	Economists	54,092	87,489	116,764	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	46,525	63,114	73,972	Yes	Yes	Yes	Master's degree	No	No	No
19-3031	Clinical, Counseling, and School Psychologists	54,773	73,986	81,408	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	29,038	71,124	93,776	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	45,373	96,374	113,712	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	52,192	74,549	90,431	Yes	Yes	Yes	Master's degree	Yes	No	Yes
19-3051	Urban and Regional Planners	42,029	66,296	79,958	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	32,384	54,347	67,670	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	62,986	82,716	95,744	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	24,571	57,653	84,664	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists	61,648	98,037	113,014	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	64,595	88,637	97,181	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
19-4010	Agricultural and Food Science Technicians	18,982	35,897	43,474	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	27,960	40,228	46,256	No	No	No	Bachelor's degree	No	No	No

Workforce Region 14 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
19-4031	Chemical Technicians	31,297	46,622	56,112	Yes	No	No	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	27,257	53,747	72,924	No	Yes	Yes	Associate's degree	No	Yes	Yes
19-4045	Geological and Hydrologic Technicians	25,899	45,816	55,478	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	69,304	94,760	107,405	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	28,321	50,930	62,944	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	30,721	46,258	55,311	Yes	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	41,093	57,294	65,693	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	38,929	57,695	63,486	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	33,786	65,004	85,125	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	27,768	47,080	58,475	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	24,476	54,017	72,473	No	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	22,238	32,334	35,386	No	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	26,962	37,743	43,940	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	27,077	41,541	48,582	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	26,675	31,588	34,043	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	18,730	39,425	53,886	No	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	38,420	57,211	66,861	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	27,288	38,949	41,324	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	39,104	68,020	81,063	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	28,412	53,536	75,227	No	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	30,918	39,616	43,887	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	22,947	38,069	42,950	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	29,010	46,770	51,756	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	32,174	42,812	48,797	Yes	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	37,248	68,655	84,405	Yes	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	29,009	66,126	79,353	No	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	19,316	42,804	56,748	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	64,334	124,136	147,780	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
23-1012	Judicial Law Clerks	29,835	50,529	57,161	No	No	No	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	38,229	100,930	123,601	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	25,132	70,140	99,218	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	143,734	184,777	168,561	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	28,114	46,587	56,972	No	No	No	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	23,329	35,180	39,531	No	No	No	High school diploma or equivalent	No	No	No
23-2099	Legal Support Workers, All Other	24,599	60,191	60,653	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	58,549	107,424	126,337	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	45,943	97,260	121,732	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	41,998	81,860	108,034	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	26,096	89,240	111,360	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	53,294	108,930	133,432	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	54,554	102,898	125,245	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	41,663	88,630	108,526	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	67,936	111,341	130,952	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	46,986	93,638	116,005	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	51,523	86,652	102,347	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	23,055	74,037	86,908	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	48,049	93,225	117,796	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	57,309	91,601	103,508	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	42,716	79,124	96,108	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	58,549	107,424	126,337	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	51,680	86,022	101,324	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	52,143	92,694	104,433	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	41,328	80,295	95,803	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	42,352	79,951	97,486	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	43,444	82,795	109,845	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	56,551	114,785	122,460	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	55,233	79,510	89,587	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	41,771	67,346	79,921	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	43,188	69,875	82,352	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	39,114	88,079	95,902	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	55,301	149,697	198,406	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	36,290	73,565	86,593	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	32,876	97,506	111,528	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	40,935	71,351	84,310	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	30,760	75,542	104,640	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	46,573	84,635	109,078	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	28,694	81,958	94,248	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	44,428	92,143	108,349	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	41,771	67,346	79,921	Yes	Yes	Yes	Master's degree	No	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	32,836	66,145	80,216	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	31,650	41,315	40,552	Yes	No	No	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	22,583	54,986	69,117	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,147	30,552	31,764	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	34,767	66,009	78,423	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	41,783	66,385	78,355	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	34,225	51,996	60,991	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	29,491	58,096	74,204	No	Yes	Yes	Bachelor's degree	No	No	No

Workforce Region 14 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	38,563	60,546	72,649	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	42,942	64,187	73,033	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2051	Special Education Teachers, Preschool	31,538	61,205	77,855	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	33,506	53,417	71,322	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	40,364	58,677	68,871	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	41,112	62,052	74,332	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2059	Special Education Teachers, All Other	27,572	51,001	62,002	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	31,242	46,337	57,210	Yes	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	18,468	30,455	37,190	No	No	No	Some college, no degree	No	No	No
25-3031	Substitute Teachers, Short-Term	21,299	37,622	31,439	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	18,684	50,583	74,399	No	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	26,893	42,854	49,919	No	No	No	Master's degree	No	No	No
25-4012	Curators	28,477	54,317	61,825	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	22,504	40,600	48,915	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	35,287	51,625	59,545	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	28,377	58,331	77,554	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-9021	Farm and Home Management Educators	18,755	37,658	47,705	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	34,930	68,010	80,598	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	18,834	37,520	48,413	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	21,487	28,825	31,280	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	21,015	29,278	36,271	No	No	No	Bachelor's degree	No	No	No
27-1011	Art Directors	55,134	80,784	95,814	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1012	Craft Artists	25,920	30,048	32,905	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,913	46,662	62,475	No	No	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	44,886	65,449	77,170	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	29,894	84,330	103,095	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	38,121	66,547	71,578	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	31,872	61,570	71,203	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	20,660	25,555	27,858	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	31,680	47,495	57,454	Yes	No	No	Bachelor's degree	No	No	No
27-1025	Interior Designers	41,958	61,188	71,393	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	19,474	36,812	46,305	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	22,248	48,423	60,133	No	No	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	31,587	57,771	66,263	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	21,081	43,534	48,426	No	No	No	Some college, no degree	No	Yes	No
27-2012	Producers and Directors	33,777	61,822	77,303	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	18,421	69,865	82,185	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	20,928	47,672	60,432	No	No	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	21,466	71,852	76,651	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2031	Dancers	19,812	54,443	79,946	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	18,175	38,308	58,175	No	No	No	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	18,539	65,014	75,611	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,646	88,296	123,787	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,647	25,614	29,806	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	19,156	45,836	60,130	No	No	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	36,698	64,954	79,246	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	27,310	48,214	59,810	No	No	Yes	Bachelor's degree	No	No	No
27-3041	Editors	20,424	52,083	68,583	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	36,125	61,823	75,973	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	32,359	42,631	52,191	Yes	No	No	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	33,413	45,377	51,794	Yes	No	No	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	19,080	50,332	82,716	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	33,575	47,608	55,373	Yes	No	No	Associate's degree	Yes	No	No
27-4011	Audio and Video Technicians	26,189	47,248	56,375	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	35,082	57,511	60,261	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
27-4014	Sound Engineering Technicians	23,232	55,606	63,872	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	27,517	48,389	59,275	No	No	Yes	Some college, no degree	Yes	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	22,044	66,005	121,244	No	Yes	Yes	Bachelor's degree	No	No	Yes
27-4032	Film and Video Editors	31,370	53,117	64,000	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	24,335	79,961	103,813	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	27,343	66,715	77,158	No	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	65,298	135,931	154,945	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	62,819	231,233	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	88,128	178,027	204,674	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	78,986	211,434	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	56,354	172,507	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	22,290	54,579	68,996	No	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	113,011	137,159	156,580	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1051	Pharmacists	83,255	129,676	155,085	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
29-1071	Physician Assistants	75,410	105,714	125,278	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	88,097	149,561	198,474	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1122	Occupational Therapists	66,318	86,443	99,846	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	44,410	79,595	98,254	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	55,011	95,781	109,893	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 14 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
29-1125	Recreational Therapists	21,102	37,003	49,404	No	No	No	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	47,355	61,793	68,099	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	60,647	83,816	97,639	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	34,962	53,284	65,427	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	31,252	50,696	59,336	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	94,029	121,488	134,873	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	51,648	71,763	81,312	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	133,668	173,934	179,257	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	21,550	66,450	97,437	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	88,474	108,169	122,354	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	67,734	79,253	86,657	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	134,002	267,100	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	160,633	266,183	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	98,332	164,202	197,974	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1218	Obstetricians and Gynecologists	149,852	248,390	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	57,889	155,739	194,066	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	49,796	237,603	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	106,449	231,068	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	51,178	240,915	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	59,622	74,106	81,779	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	59,953	77,287	85,637	Yes	Yes	Yes	Master's degree	Yes	Yes	No
29-2010	Clinical Laboratory Technologists and Technicians	28,142	48,913	61,413	No	No	Yes	Associate's degree	No	No	Yes
29-2031	Cardiovascular Technologists and Technicians	25,530	46,644	65,467	No	No	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	54,474	70,235	80,221	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	57,941	75,710	85,136	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	36,106	61,962	75,885	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	40,588	67,866	79,137	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	22,121	35,375	40,216	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	19,109	27,426	31,131	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	24,340	33,861	38,896	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	26,064	32,911	36,544	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	28,459	45,812	54,346	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	27,372	37,029	40,722	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	27,165	39,275	46,514	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	37,992	46,931	51,042	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	29,883	46,857	56,336	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2091	Orthotists and Prosthetists	36,546	75,237	88,866	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-2092	Hearing Aid Specialists	21,574	111,416	159,986	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	27,329	44,649	53,637	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	20,168	43,802	50,230	No	No	No	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	58,539	79,410	91,533	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	29,475	55,880	70,101	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	20,092	24,685	25,802	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	22,311	28,955	31,821	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	20,920	27,877	30,632	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	25,161	29,540	31,488	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	48,512	67,384	78,486	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	19,178	27,897	31,734	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	50,731	66,801	77,243	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	22,889	30,631	31,940	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	19,302	32,432	32,689	No	No	No	Postsecondary nondegree award	No	No	No
31-9091	Dental Assistants	28,560	43,129	51,396	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	26,760	33,484	38,038	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9093	Medical Equipment Preparers	19,757	31,950	37,973	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	23,355	31,663	36,039	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	21,186	32,069	38,317	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	21,533	27,609	30,807	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	27,413	37,053	41,917	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9099	Healthcare Support Workers, All Other	21,669	40,204	49,314	No	No	No	High school diploma or equivalent	No	No	Yes
33-1011	First-Line Supervisors of Correctional Officers	33,079	50,327	62,325	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	70,136	91,626	103,604	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	49,727	78,602	96,572	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	27,112	43,179	51,895	No	No	No	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	34,849	52,815	65,868	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	42,804	58,276	67,799	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	29,176	34,490	37,678	No	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	32,354	45,993	53,284	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,268	44,812	53,353	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	40,934	66,876	72,881	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	20,871	28,005	30,248	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	27,003	34,561	38,547	No	No	No	High school diploma or equivalent	Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	41,090	58,717	67,889	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	44,290	63,803	75,749	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	26,696	38,150	43,129	No	No	No	Postsecondary nondegree award	Yes	No	No

Workforce Region 14 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	36,704	64,241	78,474	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	24,630	34,185	38,740	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	21,590	33,622	37,097	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	19,184	28,557	36,148	No	No	No	No formal educational credential	No	Yes	Yes
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	18,531	23,763	27,333	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	35,237	41,791	44,615	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	25,135	38,041	41,950	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	26,815	44,949	52,090	No	No	No	Associate's degree	No	No	No
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	20,570	37,279	44,388	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,276	21,151	22,687	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	22,859	29,498	32,300	No	No	No	No formal educational credential	Yes	Yes	No
35-2013	Cooks, Private Household	20,713	29,678	34,814	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	18,813	27,511	31,625	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	19,192	25,801	29,217	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	21,666	24,224	25,492	No	No	No	No formal educational credential	Yes	No	No
35-2021	Food Preparation Workers	19,658	25,644	29,481	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,897	31,282	44,894	No	No	No	No formal educational credential	No	Yes	Yes
35-3023	Fast Food and Counter Workers	18,713	23,247	25,100	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	19,010	31,560	40,134	No	No	No	No formal educational credential	No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	18,958	22,450	24,351	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,699	21,610	23,022	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	18,803	22,759	24,906	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,811	23,727	26,142	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	20,623	28,554	35,699	No	No	No	No formal educational credential	Yes	Yes	Yes
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	25,663	41,261	48,898	No	No	No	High school diploma or equivalent	No	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	26,964	41,232	50,397	No	No	No	Some college, no degree	Yes	No	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	20,768	28,805	32,859	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	20,385	24,519	25,913	No	No	No	No formal educational credential	Yes	No	No
37-2019	Building Cleaning Workers, All Other	21,235	35,916	51,897	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	33,363	44,136	50,548	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
37-3011	Landscaping and Groundskeeping Workers	22,249	30,290	33,695	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	22,188	31,454	39,648	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	28,394	39,896	47,468	No	No	No	High school diploma or equivalent	Yes	No	No
37-3019	Grounds Maintenance Workers, All Other	25,761	35,267	39,006	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	35,916	55,144	65,053	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	24,153	44,036	54,300	No	No	No	Some college, no degree	No	Yes	Yes
39-2011	Animal Trainers	21,333	30,109	37,768	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	20,080	27,544	31,311	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	18,135	24,689	27,857	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	19,385	27,109	30,613	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,818	34,106	35,228	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	18,765	29,442	32,266	No	No	No	No formal educational credential	No	Yes	No
39-3031	Ushers, Lobby Attendants, and Ticket Takers	18,497	20,388	20,079	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,861	24,493	26,446	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	25,771	55,400	72,187	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	19,096	25,081	29,381	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,647	25,614	29,806	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	33,358	56,010	57,073	Yes	Yes	No	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	21,340	29,673	35,238	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	29,762	52,858	62,203	No	Yes	Yes	Associate's degree	No	Yes	Yes
39-5011	Barbers	21,560	31,301	37,245	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,647	29,865	32,450	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	35,828	69,540	80,236	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	19,162	32,040	39,226	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	18,952	25,909	29,894	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,993	28,906	31,430	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	19,105	26,932	30,093	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	20,917	27,996	31,103	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	19,499	26,302	25,327	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	18,705	24,579	26,811	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	18,781	28,872	34,258	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	19,912	29,457	33,780	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	21,953	30,192	34,072	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	18,937	21,597	21,151	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	28,766	52,281	62,292	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	43,279	84,684	106,339	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,467	24,287	25,960	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,686	28,162	34,814	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	22,187	36,825	40,241	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	20,244	29,885	32,591	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,485	29,204	31,787	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	26,701	57,785	74,187	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-3021	Insurance Sales Agents	27,598	68,029	63,315	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	36,873	75,067	83,497	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	39,171	47,421	51,600	Yes	No	No	Some college, no degree	Yes	Yes	Yes

Workforce Region 14 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	26,780	61,416	72,956	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	34,781	87,234	94,773	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	28,790	64,393	80,617	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	20,369	38,613	48,561	No	No	No	No formal educational credential	Yes	Yes	Yes
41-9012	Models	20,369	38,613	48,561	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	26,312	65,752	68,448	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	20,053	71,007	110,156	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	62,536	113,626	143,826	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	21,090	27,654	30,859	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	18,499	27,129	29,471	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	19,508	50,103	69,893	No	No	Yes	Some college, no degree	No	Yes	Yes
43-1011	First-Line Supervisors of Office and Administrative Support Workers	34,713	59,914	68,815	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	22,541	30,610	35,513	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	23,744	30,908	32,108	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	29,058	40,216	47,547	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	27,982	39,479	41,990	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	28,976	38,314	42,794	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	28,254	45,211	51,462	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	19,523	27,513	31,095	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	26,161	43,637	51,170	No	No	No	Some college, no degree	No	Yes	Yes
43-3061	Procurement Clerks	29,092	40,769	46,984	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	32,707	39,420	44,740	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	32,618	38,081	40,464	Yes	No	No	Some college, no degree	Yes	No	No
43-4011	Brokerage Clerks	35,784	61,553	69,086	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	28,812	41,200	47,911	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	32,979	43,909	48,946	Yes	No	No	Some college, no degree	Yes	Yes	No
43-4041	Credit Authorizers, Checkers, and Clerks	33,679	41,353	45,241	Yes	No	No	Some college, no degree	Yes	No	No
43-4051	Customer Service Representatives	21,887	33,143	37,755	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	26,980	34,290	39,943	No	No	No	High school diploma or equivalent	Yes	No	No
43-4071	File Clerks	23,230	33,334	38,485	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	21,256	26,935	29,324	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	19,897	30,406	36,219	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	20,563	27,594	31,144	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	27,127	40,806	48,982	No	No	No	High school diploma or equivalent	Yes	No	No
43-4141	New Accounts Clerks	32,927	44,448	51,630	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4151	Order Clerks	24,457	34,592	39,551	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	28,874	39,091	45,416	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	22,025	30,649	35,345	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	19,202	27,449	30,984	No	No	No	High school diploma or equivalent	No	No	No
43-4199	Information and Record Clerks, All Other	29,658	42,580	49,016	No	No	No	High school diploma or equivalent	Yes	Yes	No
43-5011	Cargo and Freight Agents	26,677	43,808	50,519	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	25,741	36,548	44,230	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	32,916	41,449	47,063	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	25,726	35,944	40,725	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	27,083	34,723	38,798	No	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,765	52,765	62,995	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,056	53,837	65,033	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	63,627	64,124	64,266	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	29,182	48,417	58,745	No	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	24,063	33,751	39,100	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	24,581	34,505	39,487	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	35,115	56,165	65,828	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	29,441	42,295	49,473	No	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	25,990	35,032	39,717	No	No	No	Some college, no degree	No	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	22,810	37,217	44,291	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	21,487	33,172	37,748	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	19,985	32,325	38,583	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	28,310	52,074	56,905	No	Yes	No	Associate's degree	No	Yes	No
43-9041	Insurance Claims and Policy Processing Clerks	29,815	41,523	44,019	No	No	No	High school diploma or equivalent	Yes	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	21,799	29,387	32,536	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	20,201	36,457	42,577	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	26,361	32,893	36,990	No	No	No	High school diploma or equivalent	Yes	No	No
43-9081	Proofreaders and Copy Markers	26,185	41,653	55,223	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	32,276	54,426	66,686	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	26,413	37,963	41,614	No	No	No	Some college, no degree	No	No	No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	30,800	54,868	60,408	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	20,182	36,713	46,445	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	21,520	39,134	44,989	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	25,230	33,358	37,451	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	22,809	33,014	37,737	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	18,304	25,475	32,913	No	No	No	No formal educational credential	No	No	Yes
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	20,645	31,724	40,659	No	No	No	No formal educational credential	Yes	Yes	Yes

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	19,346	28,536	28,831	No	No	No	No formal educational credential	No	Yes	No
45-3031	Fishing and Hunting Workers	20,645	31,724	40,659	No	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	35,661	40,718	44,241	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	26,982	36,959	40,531	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	18,490	35,670	45,422	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	22,721	32,797	38,189	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	19,415	46,632	58,736	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	37,568	61,263	71,562	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	34,509	51,070	59,926	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	33,647	39,769	40,670	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2022	Stonemasons	32,384	38,918	42,883	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	26,468	40,398	48,277	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	18,421	32,089	41,397	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	23,636	39,360	51,267	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	25,742	35,228	40,236	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	25,830	38,652	44,959	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	19,690	39,994	47,869	No	No	No	No formal educational credential	No	Yes	Yes
47-2053	Terrazzo Workers and Finishers	33,476	44,074	49,565	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	25,521	33,921	38,184	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	26,312	36,959	39,793	No	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	33,132	49,840	59,375	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	29,568	41,218	47,329	No	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	27,697	40,218	47,895	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	18,608	40,462	49,584	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	29,210	46,637	52,809	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	26,765	41,584	50,037	No	No	No	High school diploma or equivalent	Yes	No	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	27,011	38,760	45,570	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	28,792	39,252	45,402	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	32,780	53,170	66,078	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	32,492	47,114	60,310	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	27,435	37,008	40,954	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	29,885	49,623	53,671	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	22,494	37,176	44,979	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	31,124	44,743	51,454	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	26,885	38,731	44,290	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	27,663	44,641	51,560	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	27,673	37,434	43,846	No	No	No	High school diploma or equivalent	Yes	No	No
47-2231	Solar Photovoltaic Installers	25,102	35,533	39,744	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	21,855	30,012	35,149	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	22,012	31,961	37,383	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	21,739	30,004	35,300	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	20,369	27,779	32,364	No	No	No	No formal educational credential	Yes	No	No
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	25,831	29,130	31,240	No	No	No	High school diploma or equivalent	Yes	No	No
47-3016	Helpers--Roofers	24,305	33,653	38,524	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	23,947	30,357	32,787	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	41,879	55,028	63,501	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	40,768	76,418	96,216	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	25,319	37,875	46,524	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	26,588	39,164	46,445	No	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	28,518	39,367	46,137	No	No	No	High school diploma or equivalent	Yes	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	33,702	47,380	54,327	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	25,378	37,658	40,659	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	27,150	38,952	47,353	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	33,820	44,546	50,421	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	24,541	53,343	68,950	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	25,781	40,590	47,055	No	No	No	High school diploma or equivalent	No	No	No
47-5041	Continuous Mining Machine Operators	35,720	56,846	67,818	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	35,720	56,846	67,818	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	30,180	36,900	39,164	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	33,820	44,546	50,421	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	23,321	33,752	39,469	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	29,235	37,699	42,272	No	No	No	High school diploma or equivalent	Yes	No	No
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	35,100	55,882	71,665	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	37,331	64,754	76,573	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	19,214	31,380	37,884	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	30,849	56,827	72,492	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	29,551	57,928	74,106	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	33,525	57,968	70,435	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	27,857	42,677	50,499	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	33,279	54,199	68,271	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 14 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	37,639	56,353	63,186	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	41,781	70,652	89,722	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	25,132	37,442	44,674	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	33,350	53,126	70,374	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	35,519	50,999	60,196	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	40,298	59,805	66,054	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	23,955	44,606	53,880	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	21,530	36,900	42,549	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	23,012	43,095	56,819	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	33,198	48,582	52,946	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	26,155	41,830	50,716	No	No	No	High school diploma or equivalent	Yes	No	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	34,877	48,261	55,876	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	35,995	55,203	62,613	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	20,142	55,413	72,297	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3052	Motorcycle Mechanics	25,250	36,290	42,716	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	19,162	28,464	36,089	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	21,993	29,609	33,683	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	26,932	47,262	59,690	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	19,145	29,103	35,350	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	23,941	39,675	46,672	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	27,439	39,835	49,868	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	29,034	44,327	51,971	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	26,057	39,911	47,715	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9041	Industrial Machinery Mechanics	35,933	56,431	64,124	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	27,185	36,784	44,652	No	No	No	High school diploma or equivalent	Yes	No	No
49-9044	Millwrights	31,646	49,378	60,891	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	23,567	33,407	37,894	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	33,466	58,647	76,251	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	30,032	45,284	51,474	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	19,139	40,876	54,111	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	29,210	46,866	57,297	No	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	23,370	34,755	39,616	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	21,589	43,109	53,540	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	37,766	55,980	64,157	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	25,307	37,722	44,368	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	44,320	72,571	88,167	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	19,237	30,347	36,694	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	33,397	49,555	50,332	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	33,341	37,495	39,469	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-9095	Manufactured Building and Mobile Home Installers	21,018	28,930	31,616	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	35,701	54,349	63,711	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	39,075	65,260	78,563	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	26,315	32,194	37,015	No	No	No	High school diploma or equivalent	Yes	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	23,685	37,526	43,869	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	37,835	62,221	73,739	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	18,962	40,659	52,536	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	18,470	35,277	49,220	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	20,787	33,307	38,929	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	25,200	29,855	31,321	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	27,561	35,622	41,101	No	No	No	High school diploma or equivalent	Yes	No	No
51-2051	Fiberglass Laminators and Fabricators	27,177	34,468	38,669	No	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters	26,991	34,706	40,010	No	No	No	High school diploma or equivalent	Yes	No	No
51-2090	Miscellaneous Assemblers and Fabricators	22,244	34,515	40,327	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	20,509	27,298	30,644	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	25,859	34,842	40,964	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	21,529	31,860	37,933	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	22,062	28,172	30,927	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	25,230	33,358	37,451	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	25,938	42,459	49,439	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-3093	Food Cooking Machine Operators and Tenders	19,169	27,661	32,118	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,861	26,932	30,209	No	No	No	No formal educational credential	Yes	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	34,736	49,447	59,510	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	26,047	35,178	38,927	No	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	26,224	36,084	42,204	No	No	No	High school diploma or equivalent	Yes	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,260	32,571	38,000	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	32,994	54,268	66,263	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	26,567	36,788	41,271	No	No	No	High school diploma or equivalent	Yes	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,721	37,520	44,113	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	33,289	43,847	49,761	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 14 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	28,193	43,410	51,268	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	30,229	41,781	48,590	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	25,850	40,807	48,915	No	No	No	High school diploma or equivalent	Yes	No	No
51-4061	Model Makers, Metal and Plastic	32,994	54,268	66,263	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	29,451	52,497	61,983	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	21,156	37,156	47,154	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	24,226	36,184	43,370	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,608	35,131	39,947	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	32,189	52,192	60,734	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	30,610	45,326	51,631	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	34,452	41,375	43,801	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	22,071	34,352	39,508	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	28,280	45,127	56,138	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	31,851	38,411	39,727	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,909	35,434	39,262	No	No	No	High school diploma or equivalent	Yes	No	No
51-4199	Metal Workers and Plastic Workers, All Other	20,969	33,732	38,347	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	25,859	40,605	40,474	No	No	No	Postsecondary nondegree award	No	Yes	No
51-5112	Printing Press Operators	19,545	33,347	41,542	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	20,645	31,380	37,816	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	20,010	24,933	27,080	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	18,844	24,079	27,336	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	18,429	22,980	24,671	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	19,493	30,504	36,713	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,765	29,383	35,454	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,861	28,084	33,456	No	No	No	No formal educational credential	Yes	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	25,478	38,883	47,697	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	25,387	30,613	34,814	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20,841	30,888	36,251	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18,765	26,027	29,638	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,743	44,526	69,314	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	37,510	67,818	80,797	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	18,529	29,137	30,996	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	27,373	48,340	50,047	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-6099	Textile, Apparel, and Furnishings Workers, All Other	21,700	32,612	38,563	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	26,592	41,935	50,699	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-7021	Furniture Finishers	19,592	39,821	54,747	No	No	No	High school diploma or equivalent	No	No	Yes
51-7031	Model Makers, Wood	29,451	52,497	61,983	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood	32,994	54,268	66,263	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	21,412	30,288	33,683	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	21,251	32,462	38,197	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	22,475	40,187	55,941	No	No	No	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	69,304	94,760	107,405	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	50,027	80,079	100,389	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	44,320	72,571	88,167	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	38,426	57,368	64,748	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	21,751	37,429	48,264	No	No	No	Postsecondary nondegree award	No	No	Yes
51-8091	Chemical Plant and System Operators	31,360	51,139	62,248	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
51-8092	Gas Plant Operators	32,571	47,193	56,689	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	29,914	50,480	58,755	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	38,563	58,952	63,144	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	26,332	44,005	55,656	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	20,846	29,051	31,251	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	23,518	35,454	40,846	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	22,691	33,023	37,422	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	25,037	35,702	40,084	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	20,664	34,883	41,574	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	24,469	33,540	41,231	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	31,976	38,366	42,044	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	22,652	32,433	37,333	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	25,021	43,896	50,776	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	41,617	54,348	69,735	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9081	Dental Laboratory Technicians	27,067	34,901	35,272	No	No	No	Postsecondary nondegree award	Yes	No	No
51-9082	Medical Appliance Technicians	25,171	45,412	53,363	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	20,426	30,798	36,244	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	20,891	30,340	33,217	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	25,840	33,457	39,659	No	No	No	High school diploma or equivalent	Yes	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	26,914	34,748	38,660	No	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians	27,936	41,151	48,246	No	No	No	High school diploma or equivalent	Yes	No	No

Workforce Region 14 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	23,803	41,358	49,565	No	No	No	High school diploma or equivalent	No	No	Yes
51-9161	Computer Numerically Controlled Tool Operators	28,062	42,411	53,829	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9162	Computer Numerically Controlled Tool Programmers	30,339	49,266	56,572	Yes	No	No	Associate's degree	No	No	No
51-9191	Adhesive Bonding Machine Operators and Tenders	21,235	34,135	41,368	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	23,557	34,145	39,223	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	21,363	36,556	45,166	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	18,391	26,293	32,679	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	23,567	33,407	37,894	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	25,319	36,221	40,758	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	25,811	37,137	45,087	No	No	No	High school diploma or equivalent	Yes	No	No
51-9198	Helpers--Production Workers	22,016	30,058	34,155	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	21,628	34,282	38,278	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	34,244	62,632	77,747	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	34,295	53,645	64,681	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	96,610	226,057	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	46,607	97,656	146,217	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	68,399	120,689	149,570	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	25,014	45,884	59,444	No	No	Yes	Some college, no degree	No	Yes	Yes
53-2031	Flight Attendants	30,308	57,309	66,194	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	21,569	28,713	31,164	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,477	31,111	37,831	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	25,407	48,669	53,829	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	20,272	33,876	38,803	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	26,218	38,848	47,086	No	No	No	High school diploma or equivalent	Yes	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	20,914	30,292	34,191	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	21,146	30,655	34,195	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	52,694	66,165	72,886	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	53,176	66,814	76,054	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	34,204	55,882	66,804	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	53,176	66,814	76,054	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	22,032	41,515	58,509	No	No	No	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	28,507	54,465	71,095	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	23,459	40,492	47,980	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	22,019	52,214	75,243	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	19,661	43,218	55,055	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	32,374	72,216	88,462	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	25,279	39,301	48,256	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	18,965	24,238	24,267	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	21,132	26,927	30,317	No	No	No	No formal educational credential	Yes	No	No
53-6041	Traffic Technicians	35,455	48,124	55,795	Yes	No	No	Associate's degree	Yes	No	No
53-6051	Transportation Inspectors	51,788	91,001	120,522	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	22,135	29,143	31,050	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	22,189	32,669	38,278	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,690	33,427	40,098	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	43,580	67,366	77,762	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	33,594	47,410	55,046	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	26,549	40,895	42,982	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	26,659	37,456	45,064	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	19,472	28,748	33,047	No	No	No	No formal educational credential	No	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,511	30,427	34,856	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	19,690	31,951	38,189	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,232	23,948	25,783	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	20,828	27,450	30,785	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	34,568	64,167	77,146	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	19,975	40,079	47,744	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	24,679	39,154	48,108	No	No	No	High school diploma or equivalent	No	No	No
53-7081	Refuse and Recyclable Material Collectors	31,667	44,242	50,973	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,690	33,427	40,098	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	22,376	41,929	53,343	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 14 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	30,203	50,544	59,017	
1	No formal educational credential	20,277	28,473	32,512	81
2	High school diploma or equivalent	25,784	42,091	49,093	233
3	Some college, no degree	26,537	42,262	48,972	48
4	Postsecondary nondegree award	26,238	39,252	45,324	85
5	Associate's degree	33,519	50,750	58,884	63
6	Bachelor's degree	43,909	82,388	98,583	172
7	Master's degree	49,890	74,879	87,691	42
8	Doctoral or professional degree	71,951	133,990	144,209	63

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	436	351	448	339	427	360
No formal educational credential	38.3%	61.7%	32.1%	67.9%	32.1%	67.9%
High school diploma or equivalent	57.9%	42.1%	76.8%	23.2%	73.4%	26.6%
Some college, no degree	39.6%	60.4%	31.3%	68.8%	31.3%	68.8%
Postsecondary nondegree award	37.6%	62.4%	24.7%	75.3%	27.1%	72.9%
Associate's degree	54.0%	46.0%	34.9%	65.1%	34.9%	65.1%
Bachelor's degree	64.5%	35.5%	68.6%	31.4%	62.2%	37.8%
Master's degree	59.5%	40.5%	54.8%	45.2%	50.0%	50.0%
Doctoral or professional degree	77.8%	22.2%	69.8%	30.2%	66.7%	33.3%

Workforce Region 15 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	45,738	197,950	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	47,317	118,311	150,599	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	19,794	63,802	70,983	No	Yes	Yes	Bachelor's degree	No	No	No
11-2011	Advertising and Promotions Managers	57,070	111,621	149,753	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	63,023	145,382	181,977	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	58,601	146,760	185,777	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	51,200	106,282	131,710	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	55,738	105,642	127,171	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	91,076	153,831	181,088	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	71,691	144,487	176,527	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	56,561	104,865	127,821	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	65,960	115,418	139,497	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	56,058	90,453	110,114	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	84,440	114,540	127,528	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	72,448	126,678	156,328	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	66,295	115,198	133,045	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	36,369	78,189	82,893	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9021	Construction Managers	53,711	125,420	158,241	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	28,258	45,401	50,855	No	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	46,273	82,598	98,123	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9033	Education Administrators, Postsecondary	41,847	88,437	104,142	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9039	Education Administrators, All Other	46,485	76,067	95,855	Yes	Yes	Yes	Master's degree	No	No	Yes
11-9041	Architectural and Engineering Managers	94,413	143,927	164,914	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	33,013	55,006	66,225	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	45,333	86,613	95,252	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	37,493	71,730	78,121	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	49,607	114,686	139,756	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	59,760	97,916	118,058	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	77,166	96,920	105,856	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	40,646	77,746	70,677	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	47,054	75,597	88,740	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9161	Emergency Management Directors	56,257	81,076	96,292	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9171	Funeral Home Managers	41,456	80,620	98,647	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	53,919	100,714	126,599	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	33,574	84,192	101,245	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1020	Buyers and Purchasing Agents	38,145	69,294	85,768	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	40,716	67,325	81,728	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	51,375	67,649	77,637	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	35,998	72,169	90,456	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	39,119	66,302	79,763	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	37,867	64,432	74,556	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	36,369	78,189	82,893	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	18,309	46,444	74,493	No	No	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	38,153	79,489	106,954	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1111	Management Analysts	37,894	88,995	109,491	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	28,242	53,529	64,909	No	No	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	27,742	53,843	66,763	No	No	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	38,484	62,671	75,914	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	30,975	66,096	86,664	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	30,709	62,233	76,856	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	34,645	76,098	98,331	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	43,733	81,753	96,117	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	34,553	61,751	73,521	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	54,732	82,240	100,346	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	45,809	86,687	104,559	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	40,916	106,871	113,183	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	37,856	70,969	90,109	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	53,368	84,474	100,110	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2071	Credit Counselors	35,585	71,020	92,374	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2072	Loan Officers	42,661	71,842	86,045	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,987	59,552	92,071	No	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	25,313	54,293	62,991	No	Yes	No	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	42,805	72,926	85,595	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	53,900	91,637	105,926	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	50,258	97,210	123,142	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	69,153	102,893	124,597	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	48,627	89,749	110,978	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	33,089	53,519	64,620	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	51,923	107,112	133,098	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	52,267	85,517	105,268	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
15-1245	Database Administrators and Architects	59,655	107,685	131,048	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	53,534	84,614	107,478	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	57,786	102,774	123,714	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	44,447	80,907	96,394	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 15 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	47,998	98,741	125,174	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2011	Actuaries	67,242	142,580	172,876	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	69,304	103,892	117,491	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	36,318	69,453	93,175	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2041	Statisticians	47,889	84,984	104,166	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	53,383	93,521	112,761	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	53,935	86,254	106,405	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	42,236	59,307	65,689	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1021	Cartographers and Photogrammetrists	42,509	60,210	69,790	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1022	Surveyors	43,924	78,828	101,211	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	52,545	89,478	123,262	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	43,031	79,380	98,155	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2031	Bioengineers and Biomedical Engineers	69,377	100,446	118,612	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	45,572	81,364	96,560	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2051	Civil Engineers	55,160	86,970	104,801	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	79,812	111,110	131,309	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	59,677	89,977	106,454	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	69,635	104,752	127,523	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	46,172	74,967	91,321	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	47,144	85,025	104,756	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
17-2112	Industrial Engineers	53,198	84,213	96,702	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2121	Marine Engineers and Naval Architects	54,942	71,339	80,764	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2131	Materials Engineers	43,923	91,621	126,382	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2141	Mechanical Engineers	47,781	91,634	111,725	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	72,335	116,251	142,298	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	84,704	106,834	120,669	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	72,807	158,140	194,431	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	55,433	108,727	136,568	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	41,412	56,240	63,246	Yes	Yes	No	Associate's degree	Yes	Yes	No
17-3012	Electrical and Electronics Drafters	27,243	59,766	69,934	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3013	Mechanical Drafters	32,902	49,714	58,169	Yes	No	No	Associate's degree	No	No	No
17-3019	Drafters, All Other	42,542	59,535	71,422	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	40,069	67,562	87,144	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	33,679	53,070	65,630	Yes	No	Yes	Associate's degree	No	No	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	37,373	64,640	76,807	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	32,659	52,290	60,684	Yes	No	No	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	29,385	44,063	48,998	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	34,653	52,917	64,140	Yes	No	Yes	Associate's degree	No	No	Yes
17-3027	Mechanical Engineering Technologists and Technicians	32,397	57,217	77,654	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	28,213	41,273	48,056	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	39,115	57,367	64,952	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	40,915	63,754	76,320	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	34,927	56,173	74,761	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	31,331	71,105	96,502	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1021	Biochemists and Biophysicists	69,182	127,518	175,044	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
19-1022	Microbiologists	34,360	61,639	79,417	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	31,498	55,111	61,811	Yes	Yes	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	34,836	73,560	92,065	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	33,289	68,458	85,560	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1032	Foresters	45,697	74,667	95,498	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1041	Epidemiologists	40,120	87,287	114,202	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	35,527	88,205	119,437	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1099	Life Scientists, All Other	49,614	102,642	128,728	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	84,300	143,843	163,326	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	84,300	143,843	163,326	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	58,253	97,407	114,490	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	39,052	59,040	67,326	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	48,876	101,550	132,054	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	35,369	72,600	94,509	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	56,982	98,860	138,503	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	43,892	79,802	112,510	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-2099	Physical Scientists, All Other	46,721	115,296	134,967	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	52,044	92,871	104,748	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	29,038	71,124	93,776	No	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	46,174	96,042	99,667	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	29,038	71,124	93,776	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	46,102	106,754	115,564	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	52,192	74,549	90,431	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	49,543	75,756	89,662	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3091	Anthropologists and Archeologists	32,384	54,347	67,670	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	62,986	82,716	95,744	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	21,758	61,478	91,247	No	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists	61,648	98,037	113,014	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	56,449	88,326	109,486	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	18,353	30,775	37,350	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	27,477	40,904	50,596	No	No	No	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	37,334	50,710	58,379	Yes	No	No	Associate's degree	Yes	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	29,888	47,953	52,916	No	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	18,864	41,404	59,947	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	69,304	94,760	107,405	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	32,891	40,826	46,794	Yes	No	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	30,721	46,258	55,311	No	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	33,891	55,273	65,674	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	26,849	53,345	62,260	No	No	No	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	31,318	68,365	89,660	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	34,882	57,689	69,287	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	34,560	53,145	61,950	Yes	No	No	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	32,251	35,926	38,372	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	22,014	36,528	41,823	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	27,993	45,094	55,857	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	27,062	33,329	36,466	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	32,207	44,622	54,466	Yes	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	32,768	51,283	61,387	Yes	No	No	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	25,899	44,025	52,113	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	34,352	51,926	65,663	Yes	No	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	31,380	55,582	73,997	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	29,763	39,303	43,599	No	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	25,146	37,041	41,138	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	28,103	45,245	57,373	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	27,574	42,696	49,839	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	19,223	52,294	63,647	No	No	No	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	23,588	40,358	56,175	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	19,316	42,804	56,748	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	61,908	121,124	150,397	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
23-1012	Judicial Law Clerks	29,835	50,529	57,161	No	No	No	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	38,229	100,930	123,601	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	25,132	70,140	99,218	No	Yes	Yes	Bachelor's degree	No	No	No
23-1023	Judges, Magistrate Judges, and Magistrates	143,734	184,777	168,561	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	33,953	50,141	56,520	Yes	No	No	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	35,641	50,909	57,710	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	25,725	66,364	67,084	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	58,549	107,424	126,337	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1021	Computer Science Teachers, Postsecondary	45,943	97,260	121,732	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	41,998	81,860	108,034	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	26,096	89,240	111,360	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	53,294	108,930	133,432	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	54,554	102,898	125,245	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	41,663	88,630	108,526	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	67,936	111,341	130,952	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	46,986	93,638	116,005	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	51,523	86,652	102,347	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	23,055	74,037	86,908	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	48,049	93,225	117,796	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	57,309	91,601	103,508	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	42,716	79,124	96,108	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	58,549	107,424	126,337	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1064	Geography Teachers, Postsecondary	51,680	86,022	101,324	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	52,143	92,694	104,433	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	41,328	80,295	95,803	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	42,352	79,951	97,486	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	43,444	82,795	109,845	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	56,551	114,785	122,460	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	63,251	91,267	96,504	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	41,771	67,346	79,921	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	43,188	69,875	82,352	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	39,114	88,079	95,902	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	55,301	149,697	198,406	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	36,290	73,565	86,593	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	32,876	97,506	111,528	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	40,935	71,351	84,310	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	30,760	75,542	104,640	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	46,573	84,635	109,078	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	28,694	81,958	94,248	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	44,428	92,143	108,349	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	41,771	67,346	79,921	Yes	Yes	Yes	Master's degree	No	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	32,836	66,145	80,216	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	34,147	53,922	63,886	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	22,349	44,176	56,334	No	No	No	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,549	29,053	31,221	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	34,081	56,362	63,802	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	32,620	56,600	71,370	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	38,203	60,072	74,730	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	29,491	58,096	74,204	No	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	38,563	60,546	72,649	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	42,942	64,187	73,033	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2051	Special Education Teachers, Preschool	31,538	61,205	77,855	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	40,276	62,927	75,995	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	29,912	54,324	61,905	No	Yes	No	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	31,329	52,238	63,634	Yes	No	No	Bachelor's degree	No	No	No
25-2059	Special Education Teachers, All Other	22,757	39,551	51,080	No	No	No	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	32,968	37,603	39,754	Yes	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	21,289	48,208	70,492	No	No	Yes	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	22,405	30,214	31,576	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	20,651	35,219	39,227	No	No	No	Bachelor's degree	No	No	No
25-4011	Archivists	26,893	42,854	49,919	No	No	No	Master's degree	No	No	No
25-4012	Curators	43,073	52,236	56,537	Yes	No	No	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	22,504	40,600	48,915	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	41,440	59,508	69,330	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	27,208	34,552	38,411	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	18,755	37,658	47,705	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	28,970	67,089	87,022	No	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	18,834	37,520	48,413	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	20,272	29,833	32,945	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	23,916	42,359	45,390	No	No	No	Bachelor's degree	No	No	No
27-1011	Art Directors	45,250	72,591	89,137	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1012	Craft Artists	18,047	32,256	38,731	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,913	46,662	62,475	No	No	No	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	37,710	64,895	80,287	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1019	Artists and Related Workers, All Other	19,932	87,589	106,914	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-1021	Commercial and Industrial Designers	47,165	67,636	77,853	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1022	Fashion Designers	31,872	61,570	71,203	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	21,285	27,980	30,390	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	30,567	51,779	59,346	No	No	No	Bachelor's degree	No	No	No
27-1025	Interior Designers	29,439	52,990	65,155	No	No	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	19,482	29,136	33,530	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	22,248	48,423	60,133	No	No	No	Bachelor's degree	No	No	No
27-1029	Designers, All Other	53,810	61,536	64,175	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-2011	Actors	20,238	37,170	49,941	No	No	No	Some college, no degree	No	No	No
27-2012	Producers and Directors	48,830	77,298	85,706	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-2021	Athletes and Sports Competitors	18,421	69,865	82,185	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	20,058	38,949	35,582	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	18,915	23,906	24,841	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	19,812	54,443	79,946	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	18,175	38,308	58,175	No	No	No	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	18,539	65,014	75,611	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,646	88,296	123,787	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,647	25,614	29,806	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	21,570	56,646	54,319	No	Yes	No	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	27,895	63,023	73,443	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	33,645	63,201	75,064	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	32,112	60,418	65,824	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	41,113	67,451	77,548	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	34,628	62,965	82,207	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	24,735	56,753	71,289	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	26,617	34,783	38,106	No	No	No	Postsecondary nondegree award	Yes	No	No
27-3099	Media and Communication Workers, All Other	18,834	44,231	55,046	No	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	26,760	42,640	45,910	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	28,274	50,321	63,289	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	23,232	55,606	63,872	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	21,497	32,359	35,518	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	46,110	58,926	62,826	Yes	Yes	No	Bachelor's degree	Yes	No	No
27-4032	Film and Video Editors	40,826	56,365	65,648	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	79,277	97,637	112,510	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1011	Chiropractors	56,955	92,305	98,486	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1021	Dentists, General	63,773	167,674	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	62,819	231,233	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1023	Orthodontists	88,128	178,027	204,674	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	78,986	211,434	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	56,354	172,507	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1031	Dietitians and Nutritionists	42,285	61,759	74,884	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	34,050	70,857	108,455	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	91,122	125,618	142,736	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1071	Physician Assistants	65,245	113,563	149,175	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	52,999	130,588	179,070	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1122	Occupational Therapists	68,147	86,288	97,415	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	54,371	85,174	99,195	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	56,797	83,483	96,866	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 15 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
29-1125	Recreational Therapists	40,244	59,910	74,318	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	47,409	61,718	69,642	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	52,856	76,557	93,163	Yes	Yes	Yes	Master's degree	Yes	No	Yes
29-1128	Exercise Physiologists	45,861	71,303	78,941	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	26,915	35,490	37,837	No	No	No	Bachelor's degree	No	No	No
29-1131	Veterinarians	43,742	87,836	106,929	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	49,178	71,486	80,981	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	133,668	173,934	179,257	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	21,550	66,450	97,437	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	69,134	97,810	111,924	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	58,002	73,208	81,798	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1211	Anesthesiologists	134,002	267,100	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	154,084	256,780	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	153,601	202,674	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1218	Obstetricians and Gynecologists	121,755	170,445	194,570	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1221	Pediatricians, General	100,339	160,552	185,724	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1223	Psychiatrists	46,140	325,776	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	22,015	205,832	*	No	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	36,510	179,809	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	54,189	70,152	79,023	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	21,323	66,263	79,882	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	27,027	48,720	62,768	No	No	No	Associate's degree	No	No	No
29-2031	Cardiovascular Technologists and Technicians	27,467	55,617	73,358	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2032	Diagnostic Medical Sonographers	27,353	64,612	80,566	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2033	Nuclear Medicine Technologists	60,047	81,857	94,428	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	38,851	59,464	71,231	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	39,419	64,531	77,357	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	20,663	36,327	41,307	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	20,379	29,402	31,823	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	26,363	35,262	39,454	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2053	Psychiatric Technicians	22,393	35,691	39,077	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	35,610	50,990	60,402	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	23,137	32,894	38,048	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	32,977	44,063	50,350	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	34,638	47,085	51,195	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	27,237	42,584	54,222	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2091	Orthotists and Prosthetists	37,568	72,643	84,478	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	51,714	56,935	62,030	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	26,930	44,946	57,476	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	35,518	60,155	91,631	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	58,539	79,410	91,533	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	33,604	66,976	84,233	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	19,498	23,860	25,362	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	22,524	29,676	32,332	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	22,709	32,064	36,201	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	25,161	29,540	31,488	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	52,894	67,080	77,058	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	19,178	27,897	31,734	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	53,231	65,256	74,566	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	22,093	29,098	32,861	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	19,090	30,331	34,916	No	No	No	Postsecondary nondegree award	No	No	No
31-9091	Dental Assistants	30,911	42,162	49,351	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	26,661	33,551	38,168	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9093	Medical Equipment Preparers	23,274	33,526	39,159	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	29,383	41,163	47,909	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9095	Pharmacy Aides	22,833	30,823	35,898	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	21,947	30,863	36,425	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	26,935	34,002	38,043	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9099	Healthcare Support Workers, All Other	28,759	42,971	50,505	No	No	No	High school diploma or equivalent	Yes	No	No
33-1011	First-Line Supervisors of Correctional Officers	33,801	47,144	48,620	Yes	No	No	Some college, no degree	Yes	Yes	No
33-1012	First-Line Supervisors of Police and Detectives	57,910	93,637	111,152	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	66,759	84,306	96,345	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	27,834	49,208	59,535	No	No	No	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	37,049	51,683	59,845	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	52,494	80,663	97,287	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	29,176	34,490	37,678	No	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	32,354	45,993	53,284	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-3012	Correctional Officers and Jailers	41,531	61,234	76,789	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	51,070	92,442	129,232	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	20,871	28,005	30,248	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	27,178	42,194	49,486	No	No	No	High school diploma or equivalent	Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	44,363	69,260	83,885	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	44,290	63,803	75,749	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	26,696	38,150	43,129	No	No	No	Postsecondary nondegree award	Yes	No	No

Workforce Region 15 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	33,494	38,526	40,318	Yes	No	No	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	24,630	34,185	38,740	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	20,698	35,212	37,904	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	25,051	28,514	30,686	No	No	No	No formal educational credential	Yes	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	18,609	24,080	28,183	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	35,237	41,791	44,615	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	26,635	38,804	43,790	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	30,789	48,957	55,611	Yes	No	No	Associate's degree	No	No	No
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	21,648	36,168	43,693	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,953	22,122	23,766	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	21,847	29,462	32,805	No	No	No	No formal educational credential	Yes	Yes	No
35-2013	Cooks, Private Household	20,713	29,678	34,814	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	19,260	26,926	30,668	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	25,464	30,415	33,321	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2019	Cooks, All Other	21,323	30,062	35,355	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	20,862	25,790	28,307	No	No	No	No formal educational credential	Yes	No	No
35-3011	Bartenders	18,653	31,513	44,115	No	No	No	No formal educational credential	No	Yes	Yes
35-3023	Fast Food and Counter Workers	18,779	22,244	23,822	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,732	27,449	32,703	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	18,715	21,260	22,292	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,533	21,547	23,049	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	18,570	22,432	24,797	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,981	24,236	25,917	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	20,286	44,017	52,383	No	No	No	No formal educational credential	No	Yes	Yes
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	26,463	39,077	46,171	No	No	No	High school diploma or equivalent	No	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	23,860	43,380	53,318	No	No	No	Some college, no degree	No	No	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	21,185	38,526	54,708	No	No	No	High school diploma or equivalent	No	No	Yes
37-2012	Maids and Housekeeping Cleaners	18,950	23,082	24,814	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	21,235	35,916	51,897	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	37,180	53,871	62,217	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
37-3011	Landscaping and Groundskeeping Workers	21,240	29,802	34,676	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	27,072	38,664	44,004	No	No	No	High school diploma or equivalent	Yes	No	No
37-3013	Tree Trimmers and Pruners	21,875	35,542	44,733	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	25,761	35,267	39,006	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	35,916	55,144	65,053	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	28,816	44,038	50,994	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	22,739	37,223	41,062	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	18,942	24,850	29,432	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	18,135	24,689	27,857	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	19,385	27,109	30,613	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,818	34,106	35,228	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	18,765	29,442	32,266	No	No	No	No formal educational credential	No	Yes	No
39-3031	Ushers, Lobby Attendants, and Ticket Takers	18,952	25,668	28,780	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,531	22,815	24,919	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	25,771	55,400	72,187	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	19,149	27,218	31,026	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,647	25,614	29,806	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	33,358	56,010	57,073	Yes	Yes	No	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	20,959	29,491	31,164	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	31,164	54,012	60,330	Yes	Yes	No	Associate's degree	No	No	No
39-5011	Barbers	21,560	31,301	37,245	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,146	26,851	32,100	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	35,828	69,540	80,236	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	19,956	26,608	29,304	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	18,952	25,909	29,894	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	25,750	32,208	35,993	No	No	No	Postsecondary nondegree award	Yes	No	No
39-6011	Baggage Porters and Bellhops	18,532	25,829	27,794	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	22,477	29,130	31,592	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	22,008	34,382	36,907	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,571	24,706	26,535	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	20,248	37,235	48,295	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	19,473	31,064	34,260	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	24,426	37,221	41,369	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	20,319	31,512	34,804	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	27,315	50,524	58,071	No	No	No	Some college, no degree	No	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	47,362	94,222	118,021	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,155	23,327	24,977	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,686	28,162	34,814	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	19,455	29,158	32,859	No	No	No	No formal educational credential	No	Yes	No
41-2022	Parts Salespersons	20,910	35,492	41,205	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,756	30,068	32,097	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	23,501	65,193	95,442	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	31,885	68,515	82,280	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	33,548	73,614	81,935	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	35,184	54,108	54,119	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes

Workforce Region 15 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	24,297	67,657	81,191	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	31,421	77,596	84,371	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	28,919	70,291	84,085	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,750	42,154	50,523	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models	20,369	38,613	48,561	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	26,312	65,752	68,448	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	19,253	63,189	78,117	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	88,108	146,562	174,786	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	22,810	30,471	32,328	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	18,499	27,129	29,471	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,507	32,061	37,761	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	34,738	62,568	75,617	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	19,576	27,498	31,657	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	23,744	30,908	32,108	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	29,058	40,216	47,547	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	29,010	39,859	45,352	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	28,993	38,447	42,121	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	27,901	44,039	49,670	No	No	No	Some college, no degree	Yes	Yes	No
43-3041	Gambling Cage Workers	19,523	27,513	31,095	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	32,230	43,956	50,831	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	29,987	41,617	48,668	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	30,126	39,418	43,277	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	32,964	42,117	47,873	Yes	No	No	Some college, no degree	Yes	No	No
43-4011	Brokerage Clerks	36,439	50,503	59,239	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	28,812	41,200	47,911	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	31,279	40,518	45,917	Yes	No	No	Some college, no degree	Yes	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	33,107	44,686	49,854	Yes	No	No	Some college, no degree	Yes	Yes	No
43-4051	Customer Service Representatives	25,620	37,975	43,214	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	25,767	34,274	39,642	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	20,035	34,385	40,270	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	19,029	25,626	28,894	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	18,466	39,689	44,969	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	19,615	26,049	29,799	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	29,950	45,098	51,271	No	No	No	High school diploma or equivalent	Yes	No	No
43-4141	New Accounts Clerks	28,750	34,995	39,077	No	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	26,714	35,552	40,627	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	25,177	40,887	48,917	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	21,151	30,422	34,875	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	22,252	43,334	61,138	No	No	No	High school diploma or equivalent	No	No	Yes
43-4199	Information and Record Clerks, All Other	31,215	43,951	50,597	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5011	Cargo and Freight Agents	27,599	45,905	52,951	No	No	No	High school diploma or equivalent	Yes	Yes	No
43-5021	Couriers and Messengers	26,450	44,130	51,499	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	32,715	40,080	44,254	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	25,794	37,422	41,922	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	25,901	31,452	34,800	No	No	No	High school diploma or equivalent	No	No	No
43-5051	Postal Service Clerks	37,766	54,882	62,997	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,606	54,214	65,037	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	34,441	51,879	62,986	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	28,915	52,133	60,662	No	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	22,887	35,546	41,945	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	27,924	37,333	41,285	No	No	No	High school diploma or equivalent	Yes	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	24,447	53,882	66,968	No	No	Yes	Some college, no degree	No	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	33,787	49,656	52,137	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	25,786	38,407	45,526	No	No	No	Some college, no degree	No	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	22,497	37,405	45,505	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	19,309	29,651	34,203	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	25,875	38,034	46,487	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	28,310	52,074	56,905	No	No	No	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	28,047	40,008	46,137	No	No	No	High school diploma or equivalent	Yes	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	21,043	29,985	33,841	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	21,977	38,442	43,816	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	21,838	32,283	38,913	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	26,185	41,653	55,223	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	32,276	54,426	66,686	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	28,967	48,146	57,492	No	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	27,247	38,487	46,248	No	No	No	High school diploma or equivalent	Yes	No	No
45-2011	Agricultural Inspectors	20,182	36,713	46,445	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	21,520	39,134	44,989	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	25,230	33,358	37,451	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	22,809	33,014	37,737	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	20,027	26,901	30,048	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	20,645	31,724	40,659	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 15 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	19,346	28,536	28,831	No	No	No	No formal educational credential	No	No	No
45-3031	Fishing and Hunting Workers	20,645	31,724	40,659	No	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	35,661	40,718	44,241	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	26,982	36,959	40,531	No	No	No	High school diploma or equivalent	No	No	No
45-4022	Logging Equipment Operators	18,490	35,670	45,422	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	22,721	32,797	38,189	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	19,415	46,632	58,736	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	42,139	60,782	70,318	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	34,509	51,070	59,926	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	35,763	46,461	51,591	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2022	Stonemasons	32,384	38,918	42,883	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	26,881	39,331	46,344	No	No	No	Postsecondary nondegree award	Yes	No	No
47-2041	Carpet Installers	18,421	32,089	41,397	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	23,636	39,360	51,267	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	25,742	35,228	40,236	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	18,586	32,774	39,985	No	No	No	No formal educational credential	No	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	22,066	33,921	40,055	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	33,476	44,074	49,565	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2061	Construction Laborers	22,698	32,397	37,545	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	26,561	36,616	41,350	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	36,432	54,764	62,107	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	30,183	39,776	44,682	No	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	27,785	40,234	47,657	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	18,608	40,462	49,584	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	26,300	45,788	52,355	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	26,350	39,955	47,487	No	No	No	High school diploma or equivalent	No	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	28,789	40,573	47,537	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	28,792	39,252	45,402	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	33,440	46,754	57,399	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	32,492	47,114	60,310	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	29,765	40,418	45,731	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	28,523	42,815	51,029	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	34,788	43,362	48,550	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	31,124	44,743	51,454	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2181	Roofers	22,438	33,641	39,741	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	27,954	40,899	48,095	No	No	No	High school diploma or equivalent	Yes	No	No
47-2221	Structural Iron and Steel Workers	26,923	43,464	51,355	No	No	No	High school diploma or equivalent	No	No	No
47-2231	Solar Photovoltaic Installers	25,102	35,533	39,744	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	22,817	31,123	36,529	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	20,624	28,707	36,035	No	No	No	No formal educational credential	Yes	No	Yes
47-3013	Helpers--Electricians	23,309	32,583	37,389	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	20,369	27,779	32,364	No	No	No	No formal educational credential	Yes	No	No
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	23,334	30,222	34,077	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	24,305	33,653	38,524	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	18,948	26,671	29,818	No	No	No	No formal educational credential	No	No	No
47-4011	Construction and Building Inspectors	46,928	63,735	73,935	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	40,768	76,418	96,216	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	25,319	37,875	46,524	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	27,675	44,619	53,080	No	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	27,393	37,832	43,737	No	No	No	High school diploma or equivalent	Yes	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	33,702	47,380	54,327	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	26,870	35,102	39,450	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	26,923	38,288	43,316	No	No	No	High school diploma or equivalent	No	No	No
47-5011	Derrick Operators, Oil and Gas	23,321	33,752	39,469	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	33,820	44,546	50,421	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	24,541	53,343	68,950	No	No	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	21,522	31,711	38,158	No	No	No	High school diploma or equivalent	No	No	No
47-5041	Continuous Mining Machine Operators	35,720	56,846	67,818	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	35,720	56,846	67,818	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	30,180	36,900	39,164	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	33,820	44,546	50,421	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	22,332	36,234	53,539	No	No	No	High school diploma or equivalent	No	No	Yes
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	43,083	66,396	80,291	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	35,100	55,882	71,665	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	38,444	65,355	78,777	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	19,408	33,251	39,263	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	30,849	56,827	72,492	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	29,253	48,222	60,851	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	33,525	57,968	70,435	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	27,857	42,677	50,499	No	No	No	High school diploma or equivalent	Yes	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	33,279	54,199	68,271	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	43,936	59,242	68,149	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	41,781	70,652	89,722	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	27,621	34,129	38,280	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2097	Audiovisual Equipment Installers and Repairers	23,882	43,296	54,957	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	28,744	46,814	56,981	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	30,089	70,539	97,256	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-3021	Automotive Body and Related Repairers	33,724	51,178	67,223	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	21,530	36,900	42,549	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	25,445	44,428	55,970	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	33,689	52,183	62,169	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	26,155	41,830	50,716	No	No	No	High school diploma or equivalent	No	No	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	35,834	50,577	59,290	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	35,995	55,203	62,613	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	27,818	49,299	62,298	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	25,250	36,290	42,716	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	27,105	36,029	41,404	No	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	21,993	29,609	33,683	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	26,932	47,262	59,690	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-3093	Tire Repairers and Changers	33,657	37,229	39,705	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-9011	Mechanical Door Repairers	23,941	39,675	46,672	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	33,186	46,418	54,400	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	26,045	48,091	58,697	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	19,603	31,489	37,402	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	37,671	55,516	65,370	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	25,425	38,650	45,026	No	No	No	High school diploma or equivalent	No	No	No
49-9044	Millwrights	31,646	49,378	60,891	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	23,567	33,407	37,894	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	35,637	60,629	78,803	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	28,161	43,342	49,979	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	19,139	40,876	54,111	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	30,799	49,828	58,374	Yes	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	23,370	34,755	39,616	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	21,589	43,109	53,540	No	No	No	High school diploma or equivalent	No	No	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	37,766	55,980	64,157	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	25,616	38,779	46,701	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	44,320	72,571	88,167	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	26,143	39,366	46,697	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	33,397	49,555	50,332	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	33,255	38,945	40,087	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-9095	Manufactured Building and Mobile Home Installers	21,018	28,930	31,616	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	32,089	48,443	58,647	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	39,075	65,260	78,563	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	20,428	27,133	30,783	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	25,947	43,896	54,308	No	No	No	High school diploma or equivalent	No	No	Yes
51-1011	First-Line Supervisors of Production and Operating Workers	33,366	61,913	76,338	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	18,962	40,659	52,536	No	No	No	Postsecondary nondegree award	No	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	18,470	35,277	49,220	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	19,797	32,207	37,985	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	25,200	29,855	31,321	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	22,541	32,160	37,588	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	25,584	35,444	39,459	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	21,384	34,084	39,939	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	21,062	28,864	33,070	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	27,062	35,875	40,581	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	18,885	29,182	36,175	No	No	No	No formal educational credential	No	Yes	Yes
51-3023	Slaughterers and Meat Packers	22,062	28,172	30,927	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	25,230	33,358	37,451	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	19,804	29,924	32,987	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	20,832	25,214	27,427	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	21,587	29,390	34,789	No	No	No	No formal educational credential	Yes	Yes	Yes
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	25,407	35,070	39,823	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	26,047	35,178	38,927	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	26,224	36,084	42,204	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,030	31,870	38,060	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	32,994	54,268	66,263	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,468	34,889	40,129	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,721	37,520	44,113	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	33,289	43,847	49,761	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 15 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	24,444	37,951	46,522	No	No	No	Postsecondary nondegree award	No	No	No
51-4051	Metal-Refining Furnace Operators and Tenders	30,229	41,781	48,590	No	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	25,850	40,807	48,915	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	32,994	54,268	66,263	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	29,451	52,497	61,983	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	21,156	37,156	47,154	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	22,354	35,878	44,366	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	26,804	39,765	40,682	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	27,334	53,499	64,415	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	30,377	45,056	51,662	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	26,257	30,041	31,640	No	No	No	Postsecondary nondegree award	Yes	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	22,071	34,352	39,508	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	28,280	45,127	56,138	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	28,143	38,327	41,486	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,909	35,434	39,262	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	20,969	33,732	38,347	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	22,150	36,946	45,071	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	22,608	35,936	42,557	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	20,687	29,734	35,307	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	20,631	24,811	26,365	No	No	No	No formal educational credential	Yes	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	18,982	23,908	27,031	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	20,067	27,702	31,024	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	19,493	30,504	36,713	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,765	29,383	35,454	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,861	28,084	33,456	No	No	No	No formal educational credential	Yes	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	21,529	33,041	40,459	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	25,387	30,613	34,814	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20,841	30,888	36,251	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18,765	26,027	29,638	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,743	44,526	69,314	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	37,510	67,818	80,797	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	18,529	29,137	30,996	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	28,192	38,561	43,887	No	No	No	High school diploma or equivalent	Yes	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	18,411	27,119	33,132	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	27,444	36,189	40,071	No	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Furniture Finishers	27,459	39,462	48,739	No	No	No	High school diploma or equivalent	Yes	No	No
51-7031	Model Makers, Wood	29,451	52,497	61,983	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood	32,994	54,268	66,263	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	21,412	30,288	33,683	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	20,900	32,413	38,504	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	22,475	40,187	55,941	No	No	No	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	69,304	94,760	107,405	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	50,027	80,079	100,389	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	44,515	73,162	95,153	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	38,426	57,368	64,748	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	31,682	51,124	62,437	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	31,360	51,139	62,248	Yes	No	No	Associate's degree	No	No	No
51-8092	Gas Plant Operators	32,571	47,193	56,689	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	29,914	50,480	58,755	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	34,141	49,438	61,813	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	26,332	44,005	55,656	No	No	No	High school diploma or equivalent	No	No	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	27,494	41,981	47,744	No	No	No	High school diploma or equivalent	Yes	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	23,518	35,454	40,846	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	22,691	33,023	37,422	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	26,948	36,014	40,983	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	19,461	36,389	46,969	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	29,052	41,303	48,567	No	No	No	High school diploma or equivalent	Yes	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,076	30,299	33,221	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	22,652	32,433	37,333	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	23,272	44,860	57,244	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	33,674	40,941	40,352	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9081	Dental Laboratory Technicians	18,534	35,343	43,439	No	No	No	Postsecondary nondegree award	No	No	No
51-9082	Medical Appliance Technicians	33,325	57,400	72,266	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	21,717	33,732	38,071	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	21,393	32,554	39,143	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	19,405	32,325	41,683	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	28,554	40,177	40,854	No	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians	27,936	41,151	48,246	No	No	No	High school diploma or equivalent	Yes	No	No

Workforce Region 15 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	23,803	41,358	49,565	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	26,675	38,541	40,158	No	No	No	Postsecondary nondegree award	Yes	No	No
51-9162	Computer Numerically Controlled Tool Programmers	34,932	53,570	62,859	Yes	No	No	Associate's degree	No	No	No
51-9191	Adhesive Bonding Machine Operators and Tenders	21,235	34,135	41,368	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	23,557	34,145	39,223	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	21,363	36,556	45,166	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	18,391	26,293	32,679	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	27,080	33,889	37,851	No	No	No	High school diploma or equivalent	Yes	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	25,319	36,221	40,758	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	25,811	37,137	45,087	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	19,731	27,986	31,613	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	23,950	39,969	40,899	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	34,244	62,632	77,747	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	32,167	56,313	70,638	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	96,610	226,057	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	51,302	83,306	99,180	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	68,399	120,689	149,570	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	25,014	45,884	59,444	No	No	No	Some college, no degree	No	Yes	Yes
53-2031	Flight Attendants	30,308	57,309	66,194	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	21,569	28,713	31,164	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,528	38,030	49,644	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	20,157	41,568	51,579	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	23,693	40,092	48,166	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	26,962	31,456	34,189	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	20,865	30,361	35,187	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	21,581	32,839	41,813	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	52,694	66,165	72,886	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	53,176	66,814	76,054	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	34,204	55,882	66,804	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	53,176	66,814	76,054	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	22,032	41,515	58,509	No	No	No	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	28,507	54,465	71,095	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	20,443	36,139	43,321	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	39,615	90,530	121,429	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	19,661	43,218	55,055	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	32,650	73,099	90,596	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	25,279	39,301	48,256	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	18,915	23,416	27,305	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	21,016	27,532	31,523	No	No	No	No formal educational credential	Yes	No	No
53-6041	Traffic Technicians	22,644	45,764	58,751	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	81,952	111,428	127,724	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	18,499	24,197	26,086	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	22,070	33,273	39,931	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,690	33,427	40,098	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	39,337	65,519	75,565	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	33,594	47,410	55,046	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	26,549	40,895	42,982	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	26,429	39,315	45,940	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	19,920	26,235	28,531	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,985	31,702	35,639	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	19,690	31,951	38,189	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,366	25,304	26,085	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	21,450	29,097	32,384	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	34,568	64,167	77,146	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	19,975	40,079	47,744	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	24,679	39,154	48,108	No	No	No	High school diploma or equivalent	No	No	No
53-7081	Refuse and Recyclable Material Collectors	29,134	41,601	48,738	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,690	33,427	40,098	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	22,376	41,929	53,343	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 15 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	30,778	53,886	63,653	
1	No formal educational credential	20,319	28,734	33,134	83
2	High school diploma or equivalent	27,017	45,308	53,328	232
3	Some college, no degree	27,801	43,663	50,360	48
4	Postsecondary nondegree award	25,557	41,166	49,318	85
5	Associate's degree	35,628	54,689	63,727	63
6	Bachelor's degree	44,041	85,817	103,321	172
7	Master's degree	46,627	77,358	90,923	42
8	Doctoral or professional degree	56,302	128,713	144,403	63

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	443	345	484	304	465	323
No formal educational credential	41.0%	59.0%	34.9%	65.1%	34.9%	65.1%
High school diploma or equivalent	65.9%	34.1%	81.9%	18.1%	78.9%	21.1%
Some college, no degree	45.8%	54.2%	35.4%	64.6%	37.5%	62.5%
Postsecondary nondegree award	28.2%	71.8%	34.1%	65.9%	32.9%	67.1%
Associate's degree	61.9%	38.1%	47.6%	52.4%	47.6%	52.4%
Bachelor's degree	59.9%	40.1%	68.0%	32.0%	65.1%	34.9%
Master's degree	64.3%	35.7%	64.3%	35.7%	52.4%	47.6%
Doctoral or professional degree	65.1%	34.9%	71.4%	28.6%	68.3%	31.7%

Workforce Region 16 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	55,371	136,896	174,411	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1021	General and Operations Managers	43,189	96,980	117,483	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	18,910	85,965	107,765	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2011	Advertising and Promotions Managers	47,754	108,900	126,465	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	73,893	188,533	166,111	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	44,486	88,511	108,187	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	48,865	134,215	127,571	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	40,758	88,365	111,394	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	67,622	115,638	143,213	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	68,406	110,445	141,328	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	49,070	118,169	162,166	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	47,547	98,232	137,884	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	53,367	73,104	83,165	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
11-3111	Compensation and Benefits Managers	64,876	104,866	124,261	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	66,959	115,967	143,341	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	57,368	107,444	131,149	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	36,369	78,189	82,893	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
11-9021	Construction Managers	54,833	130,811	129,980	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	33,801	41,135	46,799	Yes	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	53,119	80,891	97,154	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	50,195	93,773	104,695	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	55,813	73,350	85,663	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9041	Architectural and Engineering Managers	65,990	135,659	155,319	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	32,630	50,010	61,092	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	45,333	86,613	95,252	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	33,604	64,768	74,991	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	61,159	110,139	121,678	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	68,331	95,088	105,374	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	70,603	86,977	95,951	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	32,519	43,780	52,918	Yes	No	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	40,320	60,988	73,578	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9161	Emergency Management Directors	47,606	81,496	98,686	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	46,618	91,373	107,299	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	56,719	99,850	124,899	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	33,574	84,192	101,245	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	32,046	56,851	68,561	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	45,989	74,001	86,946	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	48,256	67,631	79,301	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	35,076	58,329	69,646	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	32,407	56,577	63,988	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	36,107	58,858	71,568	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	18,627	57,968	78,603	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	34,724	56,957	69,166	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	48,431	103,326	113,619	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	25,857	40,315	48,431	No	No	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	50,927	61,228	66,010	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	34,549	49,175	53,629	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	28,509	55,379	70,609	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	25,918	54,348	71,284	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	19,579	64,964	84,892	No	Yes	Yes	Bachelor's degree	No	No	Yes
13-2011	Accountants and Auditors	23,447	61,347	78,942	No	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	21,898	47,296	59,558	No	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	41,905	74,479	92,833	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2041	Credit Analysts	83,867	98,732	103,191	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	43,383	75,214	98,288	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2053	Insurance Underwriters	34,007	68,999	87,675	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2061	Financial Examiners	45,324	82,047	98,952	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	33,358	42,915	47,131	Yes	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	45,432	89,404	109,031	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,322	39,132	45,819	Yes	No	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	18,952	46,347	60,093	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	18,611	53,648	80,152	No	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	44,779	73,667	85,956	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	51,021	93,668	118,770	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	71,902	118,052	137,909	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	47,161	67,116	77,917	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	32,574	45,967	50,333	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	59,670	106,490	129,604	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	43,830	70,126	85,209	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
15-1245	Database Administrators and Architects	56,341	104,170	103,882	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	48,430	74,115	85,849	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	52,712	103,363	132,872	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	29,868	53,904	71,611	Yes	Yes	Yes	Associate's degree	No	Yes	Yes

Workforce Region 16 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	41,842	58,006	52,967	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-2011	Actuaries	48,649	114,903	141,697	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	69,304	103,892	117,491	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	34,495	64,048	91,449	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-2041	Statisticians	29,038	71,124	93,776	Yes	Yes	Yes	Master's degree	No	Yes	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	50,775	91,444	116,556	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	45,943	82,381	100,074	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	42,234	71,124	89,525	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1021	Cartographers and Photogrammetrists	43,247	66,785	79,331	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	29,915	69,920	83,271	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	65,693	107,788	128,482	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	43,031	79,380	98,155	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	61,343	89,673	107,661	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	49,240	96,128	121,555	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	55,539	89,227	102,533	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	62,573	100,969	122,371	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	69,851	78,621	84,801	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	65,368	100,713	117,491	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	51,602	79,645	96,755	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	46,308	82,185	101,914	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	58,844	98,502	120,221	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	47,695	79,026	94,475	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	50,145	94,632	115,336	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	40,877	78,851	90,834	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	72,335	116,251	142,298	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	84,704	106,834	120,669	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	72,807	158,140	194,431	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	35,314	61,340	79,645	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-3011	Architectural and Civil Drafters	35,503	54,357	63,105	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	23,016	51,415	63,813	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3013	Mechanical Drafters	34,942	59,749	73,230	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	33,014	54,308	62,613	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	40,069	67,562	87,144	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	30,416	51,188	63,695	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	33,614	42,113	41,068	Yes	No	No	Associate's degree	No	No	No
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	32,659	52,290	60,684	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	26,716	43,031	51,513	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	33,791	53,943	64,049	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	30,888	54,445	70,189	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	27,362	40,561	51,285	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	36,654	53,183	62,272	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	40,915	63,754	76,320	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	31,587	57,240	72,039	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	31,331	71,105	96,502	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1021	Biochemists and Biophysicists	43,395	78,613	89,525	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	35,631	61,806	75,454	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	31,911	52,251	58,804	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	37,481	70,121	90,598	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1031	Conservation Scientists	33,289	68,458	85,560	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1032	Foresters	45,697	74,667	95,498	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1041	Epidemiologists	32,384	54,347	67,670	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	40,787	86,524	102,652	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	49,614	102,642	128,728	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	84,300	143,843	163,326	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	84,300	143,843	163,326	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	58,253	97,407	114,490	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	35,700	63,911	78,544	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	48,876	101,550	132,054	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	33,851	49,793	49,710	Yes	Yes	No	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	51,031	89,102	113,201	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	46,160	94,219	110,721	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	46,721	115,296	134,967	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	52,044	92,871	104,748	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	29,038	71,124	93,776	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3031	Clinical, Counseling, and School Psychologists	50,809	70,409	88,409	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	29,038	71,124	93,776	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	45,373	96,374	113,712	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	52,192	74,549	90,431	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3051	Urban and Regional Planners	44,638	62,374	70,868	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3091	Anthropologists and Archeologists	32,384	54,347	67,670	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	24,571	57,653	84,664	No	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	53,796	81,693	96,512	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	18,982	35,897	43,474	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	27,346	43,769	54,357	No	No	Yes	Bachelor's degree	No	No	No

Workforce Region 16 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
19-4031	Chemical Technicians	27,113	40,542	49,993	No	No	No	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	25,742	45,924	52,497	No	Yes	Yes	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	25,899	45,816	55,478	No	Yes	Yes	Associate's degree	No	No	Yes
19-4051	Nuclear Technicians	69,304	94,760	107,405	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	26,529	52,930	61,373	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	30,721	46,258	55,311	Yes	Yes	Yes	Associate's degree	No	No	Yes
19-4092	Forensic Science Technicians	34,893	50,339	59,291	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	20,674	47,360	59,601	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	34,448	61,320	83,619	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	26,598	49,447	64,108	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	30,731	53,323	63,465	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	29,481	41,781	49,161	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	22,126	34,055	41,919	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	25,345	38,908	45,604	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	23,449	35,720	39,793	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	28,273	38,959	42,995	Yes	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	41,317	60,335	72,387	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	26,424	37,719	35,167	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	35,567	55,668	79,283	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	24,629	41,702	48,340	No	No	No	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	23,215	36,855	44,096	No	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	23,146	34,167	39,652	No	No	No	Some college, no degree	Yes	No	No
21-1094	Community Health Workers	25,909	41,319	48,679	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	28,126	42,104	52,391	Yes	No	Yes	Bachelor's degree	No	No	No
21-2011	Clergy	29,473	44,798	49,329	Yes	Yes	No	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	28,581	45,023	57,210	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	18,873	33,883	42,732	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	52,332	81,384	92,463	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	29,835	50,529	57,161	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	38,229	100,930	123,601	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	25,132	70,140	99,218	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	143,734	184,777	168,561	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	29,374	39,050	43,358	Yes	No	No	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	33,191	51,700	60,448	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	23,191	71,429	131,911	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	58,549	107,424	126,337	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	45,943	97,260	121,732	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	41,998	81,860	108,034	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	26,096	89,240	111,360	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	53,294	108,930	133,432	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	54,554	102,898	125,245	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	41,663	88,630	108,526	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	67,936	111,341	130,952	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	46,986	93,638	116,005	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	51,523	86,652	102,347	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	23,055	74,037	86,908	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	48,049	93,225	117,796	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	57,309	91,601	103,508	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	42,716	79,124	96,108	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	58,549	107,424	126,337	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	51,680	86,022	101,324	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	52,143	92,694	104,433	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	41,328	80,295	95,803	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	42,352	79,951	97,486	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	43,444	82,795	109,845	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	56,551	114,785	122,460	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	56,551	114,785	122,460	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	21,694	40,302	54,787	No	No	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	43,188	69,875	82,352	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	39,114	88,079	95,902	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	55,301	149,697	198,406	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	36,290	73,565	86,593	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	32,876	97,506	111,528	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	40,935	71,351	84,310	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	30,760	75,542	104,640	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	46,573	84,635	109,078	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	28,694	81,958	94,248	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	44,428	92,143	108,349	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	32,836	66,145	80,216	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	20,517	35,184	40,423	No	No	No	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	22,583	54,986	69,117	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	19,142	24,574	27,797	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	35,237	56,994	68,015	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	36,509	52,499	61,585	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	41,071	51,499	58,414	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	29,491	58,096	74,204	Yes	Yes	Yes	Bachelor's degree	No	No	No

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	37,635	54,777	63,676	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	42,942	64,187	73,033	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	31,538	61,205	77,855	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	40,276	62,927	75,995	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2057	Special Education Teachers, Middle School	40,364	58,677	68,871	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	41,112	62,052	74,332	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	27,572	51,001	62,002	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	21,762	29,823	31,681	No	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	21,528	40,087	49,569	No	No	No	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	18,298	46,554	65,686	No	Yes	Yes	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	21,422	49,779	68,201	No	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	26,893	42,854	49,919	No	No	No	Master's degree	No	No	No
25-4012	Curators	28,477	54,317	61,825	Yes	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	22,504	40,600	48,915	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	35,799	50,939	58,466	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	25,112	36,467	40,403	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	18,961	39,885	55,380	No	No	Yes	Master's degree	No	No	No
25-9031	Instructional Coordinators	36,695	60,877	71,392	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	18,834	37,520	48,413	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	20,030	31,449	37,806	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	34,893	50,495	60,985	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	46,140	94,308	101,766	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	18,047	32,256	38,731	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,913	46,662	62,475	No	Yes	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	41,998	64,758	76,969	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	29,894	84,330	103,095	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	39,242	66,509	77,658	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	31,872	61,570	71,203	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	21,255	31,301	36,123	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	32,380	42,071	45,048	Yes	No	No	Bachelor's degree	No	No	No
27-1025	Interior Designers	24,098	52,458	62,248	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	18,877	29,542	31,374	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	22,248	48,423	60,133	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	31,587	57,771	66,263	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	21,081	43,534	48,426	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	30,349	66,170	81,117	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	18,421	69,865	82,185	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	19,657	38,769	47,014	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	18,161	19,326	19,460	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	19,812	54,443	79,946	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	18,175	38,308	58,175	No	No	Yes	Some college, no degree	No	Yes	Yes
27-2041	Music Directors and Composers	18,539	65,014	75,611	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,221	29,120	19,906	No	No	No	Some college, no degree	No	No	No
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,647	25,614	29,806	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	19,592	58,608	72,020	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	28,339	62,376	72,354	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	25,672	48,997	60,137	No	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	24,236	54,603	63,823	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	28,230	51,227	72,753	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	27,966	67,139	70,248	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	22,947	53,766	68,782	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	19,080	50,332	82,716	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	18,834	44,231	55,046	No	No	Yes	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	19,549	46,513	58,847	No	Yes	Yes	Associate's degree	No	No	Yes
27-4012	Broadcast Technicians	21,707	45,983	56,138	No	Yes	Yes	Associate's degree	No	No	Yes
27-4014	Sound Engineering Technicians	23,232	55,606	63,872	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	18,327	23,448	27,219	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	23,046	49,063	61,009	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	31,370	53,117	64,000	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	24,335	79,961	103,813	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	34,273	83,395	94,357	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	103,886	142,723	160,137	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	62,819	231,233	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	88,128	178,027	204,674	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	78,986	211,434	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	56,354	172,507	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	45,277	70,465	91,682	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
29-1041	Optometrists	44,497	104,748	131,936	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	104,198	124,950	145,438	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
29-1071	Physician Assistants	69,488	109,512	127,692	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	52,999	130,588	179,070	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	52,233	79,008	96,305	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	44,603	82,032	100,648	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	63,229	108,221	136,179	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
29-1125	Recreational Therapists	27,726	43,583	50,842	No	No	No	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	45,668	59,188	65,023	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	21,389	50,641	66,019	No	Yes	Yes	Master's degree	No	No	No
29-1128	Exercise Physiologists	34,962	53,284	65,427	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	31,252	50,696	59,336	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	57,929	110,878	123,995	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	52,852	69,716	78,749	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	134,763	150,553	164,017	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	21,550	66,450	97,437	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	40,129	83,982	101,945	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-1181	Audiologists	43,513	72,581	81,958	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	134,002	267,100	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	89,538	204,198	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	50,165	206,337	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	122,726	241,643	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	57,889	155,739	194,066	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	46,140	198,308	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	81,062	231,188	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	51,178	240,915	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	70,217	88,367	99,022	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	21,323	66,263	79,882	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	26,391	45,285	60,952	No	Yes	Yes	Associate's degree	No	No	Yes
29-2031	Cardiovascular Technologists and Technicians	25,693	48,758	66,854	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2032	Diagnostic Medical Sonographers	52,982	64,594	74,027	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	56,718	75,011	84,605	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	44,548	64,645	76,221	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	46,406	65,830	76,851	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	22,540	35,971	40,702	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	20,379	29,402	31,823	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	26,372	33,813	38,255	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2053	Psychiatric Technicians	22,357	32,581	37,205	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	31,843	45,963	53,697	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	22,018	29,329	34,052	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	26,952	40,295	47,508	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	35,812	46,634	51,377	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	18,857	35,103	47,222	No	No	No	Postsecondary nondegree award	No	No	Yes
29-2091	Orthotists and Prosthetists	36,546	75,237	88,866	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-2092	Hearing Aid Specialists	28,635	62,337	72,010	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	26,273	40,329	48,066	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	32,768	48,069	54,583	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	58,539	79,410	91,533	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	28,300	58,293	72,659	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	20,183	23,813	25,076	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	22,598	29,380	32,152	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	20,920	27,877	30,632	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	25,161	29,540	31,488	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	41,769	65,389	78,319	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	19,178	27,897	31,734	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	55,139	71,237	78,771	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	19,178	27,897	31,734	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	19,454	39,882	49,250	No	No	No	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	29,183	39,470	46,168	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	26,648	33,156	37,400	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9093	Medical Equipment Preparers	19,896	31,969	37,964	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	20,231	33,358	38,367	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	21,186	32,069	38,317	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	20,763	29,501	34,519	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	27,694	36,796	41,288	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9099	Healthcare Support Workers, All Other	25,673	43,232	52,895	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-1011	First-Line Supervisors of Correctional Officers	34,304	42,506	46,135	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	59,429	84,632	95,706	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	54,599	68,424	77,536	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	27,586	47,937	62,946	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	28,341	43,526	51,480	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	37,577	53,409	62,671	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	29,176	34,490	37,678	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	32,354	45,993	53,284	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,753	37,790	40,842	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	44,842	81,751	102,671	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	20,871	28,005	30,248	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	27,178	42,194	49,486	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	43,562	66,431	83,656	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	44,290	63,803	75,749	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	26,696	38,150	43,129	No	No	No	Postsecondary nondegree award	Yes	No	No

Workforce Region 16 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	32,827	48,551	59,169	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	24,630	34,185	38,740	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	18,554	26,626	29,718	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	22,537	27,007	29,839	No	No	No	No formal educational credential	Yes	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	19,109	28,369	31,164	No	No	No	No formal educational credential	No	Yes	Yes
33-9093	Transportation Security Screeners	35,237	41,791	44,615	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	22,137	34,642	41,356	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	23,875	53,558	86,851	No	Yes	Yes	Associate's degree	No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	21,949	33,300	39,119	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,229	21,245	20,504	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	21,637	27,546	30,614	No	No	No	No formal educational credential	Yes	Yes	No
35-2013	Cooks, Private Household	20,713	29,678	34,814	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	19,170	25,807	29,507	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	19,355	26,135	29,875	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	21,323	30,062	35,355	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	19,106	26,037	30,253	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,671	26,218	31,867	No	No	No	No formal educational credential	No	No	Yes
35-3023	Fast Food and Counter Workers	18,759	21,753	23,604	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,758	29,782	36,637	No	No	No	No formal educational credential	No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	18,583	21,830	23,702	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,622	25,024	31,586	No	No	No	No formal educational credential	No	No	Yes
35-9021	Dishwashers	18,666	21,946	24,003	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,749	22,448	24,321	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	18,617	27,060	30,248	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	28,564	39,335	43,957	Yes	No	No	High school diploma or equivalent	Yes	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	24,370	40,846	48,318	No	No	No	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	20,422	28,248	31,514	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	18,503	22,505	24,755	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	21,235	35,916	51,897	No	No	Yes	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	30,565	43,316	50,660	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
37-3011	Landscaping and Groundskeeping Workers	21,380	27,505	30,586	No	No	No	No formal educational credential	Yes	Yes	No
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	28,851	37,632	40,853	Yes	No	No	High school diploma or equivalent	Yes	No	No
37-3013	Tree Trimmers and Pruners	28,874	41,498	48,134	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
37-3019	Grounds Maintenance Workers, All Other	25,761	35,267	39,006	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	35,916	55,144	65,053	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	25,582	42,095	49,668	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	21,520	39,134	44,989	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	20,625	25,676	27,895	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	18,135	24,689	27,857	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	19,385	27,109	30,613	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,818	34,106	35,228	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	18,765	29,442	32,266	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	18,755	25,073	27,838	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,471	22,067	22,452	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	25,771	55,400	72,187	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	19,149	27,218	31,026	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,647	25,614	29,806	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	33,358	56,010	57,073	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
39-4021	Funeral Attendants	20,959	29,491	31,164	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	31,164	54,012	60,330	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
39-5011	Barbers	21,560	31,301	37,245	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,457	33,065	39,425	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	35,828	69,540	80,236	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	19,956	26,608	29,304	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	18,952	25,909	29,894	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	20,733	35,513	41,004	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	18,529	24,571	28,034	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	20,723	28,546	31,695	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	21,717	32,197	35,306	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,253	28,566	35,090	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	19,783	38,507	51,159	No	No	No	Postsecondary nondegree award	No	No	Yes
39-9032	Recreation Workers	19,193	24,168	24,745	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	20,628	23,522	24,664	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	19,125	33,808	47,819	No	No	No	High school diploma or equivalent	No	No	Yes
41-1011	First-Line Supervisors of Retail Sales Workers	24,267	43,203	51,171	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	46,226	73,797	67,642	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,192	24,270	26,888	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,686	28,162	34,814	No	No	No	No formal educational credential	No	Yes	Yes
41-2021	Counter and Rental Clerks	19,104	23,477	25,676	No	No	No	No formal educational credential	No	No	No
41-2022	Parts Salespersons	19,385	28,694	32,068	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,347	28,352	31,206	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	21,786	55,705	72,108	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	27,021	60,585	64,620	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	34,834	55,713	59,114	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	19,670	39,764	48,895	No	No	No	Some college, no degree	No	Yes	Yes

Workforce Region 16 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	27,769	67,910	74,805	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	33,036	66,149	96,826	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	20,076	50,302	66,714	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-9011	Demonstrators and Product Promoters	20,369	38,613	48,561	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models	20,369	38,613	48,561	No	No	No	High school diploma or equivalent	No	No	Yes
41-9021	Real Estate Brokers	26,312	65,752	68,448	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	33,371	37,820	39,425	Yes	No	No	Postsecondary nondegree award	Yes	No	No
41-9031	Sales Engineers	55,213	109,884	141,904	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	19,375	27,365	30,101	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	18,499	27,129	29,471	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,025	35,533	38,317	No	No	No	Some college, no degree	No	Yes	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	33,484	55,632	63,911	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	20,997	27,680	31,460	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	23,744	30,908	32,108	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	29,058	40,216	47,547	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-3011	Bill and Account Collectors	22,555	36,447	35,805	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	28,004	35,879	39,685	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	20,116	36,139	41,289	No	No	No	Some college, no degree	No	Yes	Yes
43-3041	Gambling Cage Workers	19,523	27,513	31,095	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	32,769	43,538	49,673	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	19,393	32,965	38,420	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	27,386	34,971	39,082	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	30,150	46,091	53,884	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	34,785	53,442	63,843	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks										
43-4031	Court, Municipal, and License Clerks	28,552	38,437	40,996	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	28,005	42,627	48,905	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	22,847	33,623	38,389	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	26,345	36,978	46,173	No	No	No	High school diploma or equivalent	Yes	No	No
43-4071	File Clerks	22,009	30,086	33,417	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	19,943	22,804	24,127	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	22,358	36,121	38,841	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	21,792	27,735	30,501	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	25,683	42,667	51,159	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	29,314	40,049	45,550	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-4151	Order Clerks	24,031	32,695	36,729	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	23,119	35,259	41,378	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	21,514	28,614	32,711	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	23,360	41,456	57,338	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
43-4199	Information and Record Clerks, All Other	25,122	37,925	44,111	No	No	No	High school diploma or equivalent	No	No	No
43-5011	Cargo and Freight Agents	26,677	43,808	50,519	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	20,974	29,184	32,124	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	29,226	37,243	40,461	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	18,813	33,211	44,640	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	27,058	36,918	41,372	No	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,761	50,693	62,990	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,609	52,808	65,946	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	33,889	50,785	61,973	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	30,310	49,137	56,913	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	21,844	33,324	40,296	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	24,866	37,393	45,038	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	23,359	45,137	52,277	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	28,107	36,833	44,865	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	23,872	33,420	38,649	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	20,316	35,932	43,680	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	21,728	39,224	41,098	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	19,985	32,325	38,583	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	28,310	52,074	56,905	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
43-9041	Insurance Claims and Policy Processing Clerks	27,228	41,397	46,809	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	21,413	29,696	36,212	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	19,836	31,720	37,066	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	19,145	26,289	29,979	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	26,185	41,653	55,223	No	No	Yes	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	32,276	54,426	66,686	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	22,799	39,104	42,225	No	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	30,800	54,868	60,408	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	20,182	36,713	46,445	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	21,520	39,134	44,989	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	25,230	33,358	37,451	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	22,809	33,014	37,737	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	21,403	28,971	30,815	No	No	No	No formal educational credential	Yes	Yes	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	26,195	33,138	37,764	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 16 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	19,346	28,536	28,831	No	No	No	No formal educational credential	No	Yes	No
45-3031	Fishing and Hunting Workers	20,645	31,724	40,659	No	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	35,661	40,718	44,241	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	26,982	36,959	40,531	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	18,490	35,670	45,422	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	22,721	32,797	38,189	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	19,415	46,632	58,736	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	41,232	59,496	67,790	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	34,509	51,070	59,926	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	28,920	42,106	49,082	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2022	Stonemasons	32,384	38,918	42,883	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	29,704	41,990	49,439	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	18,421	32,089	41,397	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	23,636	39,360	51,267	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	25,742	35,228	40,236	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	33,120	38,180	40,531	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	22,910	41,946	55,501	No	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	33,476	44,074	49,565	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	23,489	33,888	39,100	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	26,312	36,959	39,793	No	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	33,132	49,840	59,375	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	29,976	41,360	45,738	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2081	Drywall and Ceiling Tile Installers	32,770	39,859	41,799	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	18,608	40,462	49,584	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	29,236	44,484	50,523	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	26,765	41,584	50,037	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	27,011	38,760	45,570	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	28,792	39,252	45,402	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	29,791	36,036	39,272	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	32,492	47,114	60,310	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	27,769	38,750	44,113	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	25,583	41,358	47,710	No	No	No	Postsecondary nondegree award	No	Yes	Yes
47-2161	Plasterers and Stucco Masons	22,494	37,176	44,979	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	31,124	44,743	51,454	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	27,032	42,898	55,067	No	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	26,175	41,820	49,614	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	26,923	43,464	51,355	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	25,102	35,533	39,744	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	21,855	30,012	35,149	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	22,012	31,961	37,383	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	22,376	30,711	35,395	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	20,369	27,779	32,364	No	No	No	No formal educational credential	No	Yes	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	22,977	30,790	34,568	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	24,305	33,653	38,524	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	22,691	31,085	35,759	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	42,667	53,679	61,074	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	40,768	76,418	96,216	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	25,319	37,875	46,524	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	26,588	39,164	46,445	No	No	No	High school diploma or equivalent	Yes	No	Yes
47-4051	Highway Maintenance Workers	26,020	30,696	35,108	No	No	No	High school diploma or equivalent	Yes	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	33,702	47,380	54,327	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	25,378	37,658	40,659	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	26,923	38,288	43,316	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	23,321	33,752	39,469	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	33,820	44,546	50,421	Yes	Yes	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	24,541	53,343	68,950	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	25,781	40,590	47,055	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5041	Continuous Mining Machine Operators	35,720	56,846	67,818	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	35,720	56,846	67,818	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	30,180	36,900	39,164	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	33,820	44,546	50,421	Yes	Yes	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	23,321	33,752	39,469	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	26,037	45,127	52,467	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	35,100	55,882	71,665	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	36,707	63,548	78,303	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	24,413	38,721	46,809	No	No	No	Postsecondary nondegree award	No	No	Yes
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	30,849	56,827	72,492	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	35,837	54,627	66,112	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	33,525	57,968	70,435	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	27,857	42,677	50,499	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	33,279	54,199	68,271	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 16 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	34,529	54,012	63,626	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	41,781	70,652	89,722	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	25,132	37,442	44,674	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	23,882	43,296	54,957	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	27,916	44,507	53,934	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	23,050	50,917	62,957	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-3021	Automotive Body and Related Repairers	26,086	49,092	57,201	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	21,530	36,900	42,549	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	32,242	50,240	61,154	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	34,035	49,956	59,017	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	26,155	41,830	50,716	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	36,581	54,593	61,661	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	35,995	55,203	62,613	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	27,818	49,299	62,298	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	25,250	36,290	42,716	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	26,962	34,135	37,117	No	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	21,993	29,609	33,683	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	26,932	47,262	59,690	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	20,753	30,868	36,487	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	23,941	39,675	46,672	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	31,055	49,968	59,237	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	29,746	42,812	50,987	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	26,057	39,911	47,715	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9041	Industrial Machinery Mechanics	29,328	66,519	90,373	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	24,679	39,154	48,108	No	No	No	High school diploma or equivalent	No	No	Yes
49-9044	Millwrights	31,646	49,378	60,891	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	23,567	33,407	37,894	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	36,686	59,630	73,543	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	30,032	45,284	51,474	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	19,139	40,876	54,111	No	No	Yes	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	29,755	54,930	69,960	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-9063	Musical Instrument Repairers and Tuners	23,370	34,755	39,616	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	21,589	43,109	53,540	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	37,766	55,980	64,157	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	22,342	36,988	45,141	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	44,320	72,571	88,167	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	19,237	30,347	36,694	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	33,397	49,555	50,332	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	25,791	40,413	49,732	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9095	Manufactured Building and Mobile Home Installers	21,018	28,930	31,616	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	32,089	48,443	58,647	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	39,075	65,260	78,563	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	20,631	27,898	33,946	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	22,536	33,579	38,586	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	36,461	61,487	70,552	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	18,962	40,659	52,536	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	18,470	35,277	49,220	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	22,318	30,190	33,900	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	25,200	29,855	31,321	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	25,299	35,936	41,092	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	25,584	35,444	39,459	No	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	23,082	33,401	37,383	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	19,917	28,669	35,315	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	21,678	34,775	40,994	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	21,412	30,672	36,418	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	22,062	28,172	30,927	No	No	No	No formal educational credential	Yes	Yes	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	25,230	33,358	37,451	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	19,513	29,943	34,608	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	19,169	27,661	32,118	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,861	26,932	30,209	No	No	No	No formal educational credential	Yes	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	25,407	35,070	39,823	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	26,047	35,178	38,927	No	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	26,224	36,084	42,204	No	No	No	High school diploma or equivalent	Yes	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	23,716	41,713	41,241	No	No	No	High school diploma or equivalent	No	Yes	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	32,994	54,268	66,263	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,845	32,276	37,599	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,721	37,520	44,113	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	34,982	45,207	50,838	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 16 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	26,617	33,530	37,675	No	No	No	Postsecondary nondegree award	Yes	No	No
51-4051	Metal-Refining Furnace Operators and Tenders	30,229	41,781	48,590	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4052	Pourers and Casters, Metal	25,850	40,807	48,915	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4061	Model Makers, Metal and Plastic	32,994	54,268	66,263	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	29,451	52,497	61,983	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	21,156	37,156	47,154	No	No	No	High school diploma or equivalent	No	No	Yes
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	20,881	33,073	38,849	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	25,220	35,700	39,193	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	29,451	52,497	61,983	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	27,047	34,957	38,420	No	No	No	Postsecondary nondegree award	Yes	No	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	24,846	35,100	40,305	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	22,071	34,352	39,508	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	28,280	45,127	56,138	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	28,143	38,327	41,486	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,909	35,434	39,262	No	No	No	High school diploma or equivalent	Yes	No	No
51-4199	Metal Workers and Plastic Workers, All Other	20,969	33,732	38,347	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	22,494	38,111	45,501	No	No	No	Postsecondary nondegree award	No	No	Yes
51-5112	Printing Press Operators	19,936	33,840	40,600	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	20,645	31,380	37,816	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,529	20,634	21,056	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	18,844	24,079	27,336	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	21,683	31,310	36,455	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	19,493	30,504	36,713	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,765	29,383	35,454	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,861	28,084	33,456	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	19,710	29,245	34,185	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	25,387	30,613	34,814	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20,841	30,888	36,251	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18,765	26,027	29,638	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,743	44,526	69,314	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	37,510	67,818	80,797	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	18,529	29,137	30,996	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	23,734	38,396	45,589	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	18,411	27,119	33,132	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	24,689	36,851	43,690	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	19,592	36,330	45,028	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	21,412	30,288	33,683	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	20,900	32,413	38,504	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	22,475	40,187	55,941	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-8011	Nuclear Power Reactor Operators	69,304	94,760	107,405	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	50,027	80,079	100,389	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	44,320	72,571	88,167	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	38,426	57,368	64,748	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	34,830	46,344	51,802	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	31,360	51,139	62,248	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
51-8092	Gas Plant Operators	32,571	47,193	56,689	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	29,914	50,480	58,755	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	38,563	58,952	63,144	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	26,332	44,005	55,656	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	28,553	34,530	38,400	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	23,518	35,454	40,846	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	22,691	33,023	37,422	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	25,082	35,985	40,216	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	20,664	34,883	41,574	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	23,065	34,332	40,315	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	23,469	33,446	37,993	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	22,652	32,433	37,333	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	19,225	31,302	39,568	No	No	No	Postsecondary nondegree award	No	No	No
51-9071	Jewelers and Precious Stone and Metal Workers	24,059	44,517	56,787	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	21,766	41,693	50,972	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	25,171	45,412	53,363	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	23,929	33,092	38,080	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	19,395	29,589	34,952	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	19,405	32,325	41,683	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	27,151	33,401	32,091	No	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians	27,936	41,151	48,246	No	No	No	High school diploma or equivalent	Yes	Yes	Yes

Workforce Region 16 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	23,803	41,358	49,565	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9161	Computer Numerically Controlled Tool Operators	27,466	36,302	40,143	No	No	No	Postsecondary nondegree award	Yes	No	No
51-9162	Computer Numerically Controlled Tool Programmers	42,462	51,677	58,258	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders										
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	23,557	34,145	39,223	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	21,363	36,556	45,166	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	18,391	26,293	32,679	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	18,355	24,326	28,866	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	25,319	36,221	40,758	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders										
51-9198	Helpers--Production Workers	19,857	28,694	32,128	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	24,221	35,035	39,600	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	34,244	62,632	77,747	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	30,847	48,192	59,359	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	96,610	226,057	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	35,571	70,187	94,384	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	68,399	120,689	149,570	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	25,014	45,884	59,444	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	30,308	57,309	66,194	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	21,569	28,713	31,164	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,851	21,955	20,620	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	21,013	37,794	44,760	No	No	No	Postsecondary nondegree award	No	No	No
53-3033	Light Truck Drivers	18,855	30,410	34,259	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	23,724	36,202	42,017	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19,987	26,368	29,297	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	21,318	32,485	39,240	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	52,694	66,165	72,886	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	53,176	66,814	76,054	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	34,204	55,882	66,804	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	53,176	66,814	76,054	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	22,032	41,515	58,509	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-4099	Rail Transportation Workers, All Other	28,507	54,465	71,095	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	23,459	40,492	47,980	No	No	No	High school diploma or equivalent	No	Yes	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	22,002	79,813	104,079	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	19,661	43,218	55,055	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	32,374	72,216	88,462	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	25,279	39,301	48,256	No	No	No	High school diploma or equivalent	No	No	Yes
53-6021	Parking Attendants	18,755	24,305	27,916	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	19,867	27,355	30,750	No	No	No	No formal educational credential	No	No	No
53-6041	Traffic Technicians	28,349	47,105	54,672	Yes	Yes	Yes	Associate's degree	No	No	No
53-6051	Transportation Inspectors	51,788	91,001	120,522	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	18,499	24,197	26,086	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	22,189	32,669	38,278	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,690	33,427	40,098	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	35,228	60,084	73,033	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	33,594	47,410	55,046	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	26,549	40,895	42,982	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	34,486	42,568	48,236	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	18,601	20,627	20,037	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,521	28,007	31,913	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	26,197	40,239	47,353	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	19,120	22,426	24,181	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	20,271	27,650	31,315	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	19,975	40,079	47,744	No	No	No	High school diploma or equivalent	No	Yes	Yes
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	22,181	30,976	34,937	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,690	33,427	40,098	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	22,376	41,929	53,343	No	No	Yes	No formal educational credential	Yes	Yes	Yes

Workforce Region 16 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	28,073	44,415	51,547	
1	No formal educational credential	20,383	27,412	31,078	82
2	High school diploma or equivalent	25,551	39,674	46,294	225
3	Some college, no degree	21,855	35,424	40,975	48
4	Postsecondary nondegree award	26,161	38,774	45,226	85
5	Associate's degree	34,575	48,039	55,256	63
6	Bachelor's degree	39,752	70,436	84,145	172
7	Master's degree	41,604	69,909	82,685	39
8	Doctoral or professional degree	68,968	134,163	142,404	63

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	433	344	402	375	385	392
No formal educational credential	40.2%	59.8%	28.0%	72.0%	31.7%	68.3%
High school diploma or equivalent	62.7%	37.3%	67.6%	32.4%	66.2%	33.8%
Some college, no degree	37.5%	62.5%	25.0%	75.0%	27.1%	72.9%
Postsecondary nondegree award	36.5%	63.5%	31.8%	68.2%	28.2%	71.8%
Associate's degree	65.1%	34.9%	33.3%	66.7%	25.4%	74.6%
Bachelor's degree	52.9%	47.1%	57.6%	42.4%	54.1%	45.9%
Master's degree	66.7%	33.3%	56.4%	43.6%	51.3%	48.7%
Doctoral or professional degree	82.5%	17.5%	73.0%	27.0%	69.8%	30.2%

Workforce Region 17 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	56,159	207,053	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	34,199	96,040	127,487	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	17,447	67,223	98,294	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-2011	Advertising and Promotions Managers	34,543	57,544	76,081	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-2021	Marketing Managers	60,540	126,566	167,525	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	47,410	103,120	137,577	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	45,372	100,978	118,775	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	35,407	83,646	105,272	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3021	Computer and Information Systems Managers	71,950	127,436	155,340	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	54,227	110,034	131,832	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	72,688	123,363	146,097	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	61,887	108,938	137,239	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	50,484	94,668	118,972	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	58,640	85,816	97,531	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	58,382	104,003	122,713	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	49,149	102,870	149,620	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	34,265	48,417	55,710	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9021	Construction Managers	42,177	90,212	102,582	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	27,772	43,837	56,022	No	No	Yes	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	54,832	80,163	94,387	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	46,595	91,221	102,620	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	43,278	59,412	74,550	Yes	Yes	Yes	Master's degree	No	No	No
11-9041	Architectural and Engineering Managers	87,119	128,567	151,515	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	30,286	50,581	59,454	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	42,960	82,078	90,265	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	31,845	61,376	71,065	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	59,793	104,512	120,865	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	48,368	87,952	108,738	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	73,403	84,421	89,201	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	19,695	59,706	72,405	No	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	44,902	74,562	77,236	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
11-9161	Emergency Management Directors	45,114	77,229	93,519	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	39,286	76,399	93,482	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	43,620	86,554	107,583	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	31,817	79,784	95,944	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	29,818	53,557	64,922	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	41,503	58,814	67,946	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	45,729	64,090	75,149	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	32,089	62,385	80,913	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	34,627	67,458	93,259	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1071	Human Resources Specialists	28,614	52,630	67,389	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	34,465	74,096	78,553	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	19,828	60,353	80,232	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	35,365	77,992	104,159	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1111	Management Analysts	36,846	71,498	81,376	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1121	Meeting, Convention, and Event Planners	23,852	47,733	57,683	No	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	19,605	58,647	87,896	No	Yes	Yes	Bachelor's degree	No	No	Yes
13-1141	Compensation, Benefits, and Job Analysis Specialists	34,715	51,571	59,432	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	31,624	56,330	65,448	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	25,642	57,084	65,522	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	38,286	66,153	78,088	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	42,488	75,023	87,243	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
13-2020	Property Appraisers and Assessors	33,377	43,125	40,769	Yes	No	No	Bachelor's degree	No	No	No
13-2031	Budget Analysts	42,059	68,937	80,768	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	42,792	77,425	92,382	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	31,467	111,206	138,161	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	45,644	86,391	106,690	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2061	Financial Examiners	42,950	77,751	93,771	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	30,987	46,867	49,655	Yes	Yes	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	32,775	75,420	86,797	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,341	46,087	50,019	Yes	Yes	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	19,145	55,683	67,668	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	41,373	73,457	86,177	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
15-1211	Computer Systems Analysts	44,564	78,369	98,069	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	47,360	90,678	122,030	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	68,137	111,871	130,688	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	38,292	69,321	89,727	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	32,089	54,383	63,925	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	54,343	80,490	90,262	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	42,168	75,345	94,327	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1245	Database Administrators and Architects	29,798	87,288	119,733	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1251	Computer Programmers	41,753	65,426	87,179	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	54,964	89,521	111,051	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	24,291	54,271	71,823	No	Yes	Yes	Associate's degree	No	Yes	Yes

Workforce Region 17 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	29,440	59,077	60,807	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2011	Actuaries	46,102	108,887	134,279	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	65,675	98,452	111,339	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	34,872	61,866	76,302	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2041	Statisticians	27,518	67,400	88,866	No	Yes	Yes	Master's degree	No	No	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	48,116	86,656	110,453	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	58,803	95,436	124,380	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	43,972	58,079	64,944	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1021	Cartographers and Photogrammetrists	46,198	65,493	74,359	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	33,052	55,860	69,144	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	62,253	102,145	121,755	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	40,778	75,224	93,016	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	58,131	84,978	102,024	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	46,662	91,095	115,190	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	57,695	91,824	114,562	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	59,297	95,683	115,964	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	49,760	89,316	108,186	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	62,896	89,675	111,224	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	54,633	108,696	171,262	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	43,883	77,882	96,578	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	65,483	85,151	99,928	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	45,198	74,888	89,528	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	47,520	89,678	109,297	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	50,230	84,506	116,212	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	68,547	110,164	134,847	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	80,269	101,240	114,351	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	68,995	149,860	184,251	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	51,693	73,677	82,934	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-3011	Architectural and Civil Drafters	31,366	55,913	71,976	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3012	Electrical and Electronics Drafters	21,811	48,723	60,472	No	Yes	Yes	Associate's degree	No	No	No
17-3013	Mechanical Drafters	33,622	56,614	68,508	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3019	Drafters, All Other	31,285	51,464	59,334	Yes	Yes	Yes	Associate's degree	No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	37,971	64,025	82,581	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	28,415	40,862	47,724	Yes	No	No	Associate's degree	No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	26,057	56,924	76,574	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	30,949	49,553	57,507	Yes	Yes	Yes	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	25,317	40,778	48,816	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	32,665	42,628	47,370	Yes	No	No	Associate's degree	No	No	No
17-3027	Mechanical Engineering Technologists and Technicians	29,271	51,595	66,515	Yes	Yes	Yes	Associate's degree	No	No	Yes
17-3031	Surveying and Mapping Technicians	24,969	40,296	45,592	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	42,087	55,710	63,711	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	38,773	60,416	72,324	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	29,933	54,243	68,268	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	29,690	67,382	91,449	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1021	Biochemists and Biophysicists	41,123	74,497	84,838	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	33,765	58,570	71,503	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	30,241	49,515	55,726	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	36,778	50,650	55,458	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	31,546	64,873	81,080	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1032	Foresters	43,305	70,757	90,498	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-1041	Epidemiologists	30,688	51,501	64,127	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	44,981	62,764	70,589	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1099	Life Scientists, All Other	47,016	97,268	121,988	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	79,886	136,311	154,775	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	79,886	136,311	154,775	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	55,203	92,307	108,495	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	30,733	48,967	53,650	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	46,317	96,233	125,140	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	34,370	45,903	47,690	Yes	Yes	No	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	52,017	74,116	91,303	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	43,743	89,286	104,924	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	44,275	109,260	127,900	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	49,319	88,008	99,264	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	27,518	67,400	88,866	No	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	41,387	64,681	73,908	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	27,518	67,400	88,866	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	91,231	116,545	118,621	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
19-3041	Sociologists	49,459	70,645	85,696	Yes	Yes	Yes	Master's degree	Yes	No	Yes
19-3051	Urban and Regional Planners	42,567	72,653	90,627	Yes	Yes	Yes	Master's degree	No	No	Yes
19-3091	Anthropologists and Archeologists	30,688	51,501	64,127	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	23,284	54,635	80,231	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	57,762	69,730	79,271	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-4010	Agricultural and Food Science Technicians	26,856	38,261	46,380	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	26,007	41,058	51,910	No	No	No	Bachelor's degree	No	No	No

Workforce Region 17 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
19-4031	Chemical Technicians	33,493	51,293	62,937	Yes	Yes	Yes	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	32,443	54,517	65,500	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-4045	Geological and Hydrologic Technicians	24,543	43,417	52,574	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	65,675	89,799	101,781	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	25,140	50,159	58,159	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	29,112	43,836	52,415	Yes	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	32,094	43,619	49,901	Yes	No	No	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	18,838	40,611	53,077	No	No	No	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	41,580	66,250	80,134	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-5012	Occupational Health and Safety Technicians	25,205	46,858	60,752	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	33,906	50,068	58,633	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	24,812	36,567	41,448	No	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	23,016	34,193	41,905	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	24,994	41,440	49,248	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	28,268	33,542	37,104	Yes	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	29,745	41,773	49,567	Yes	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	33,150	60,805	65,932	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	21,071	30,896	38,212	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	40,020	47,491	49,185	Yes	Yes	No	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	34,763	54,172	71,537	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	29,299	37,542	41,589	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	21,866	33,410	39,351	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	28,300	44,315	53,463	Yes	No	Yes	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	28,797	46,558	50,084	Yes	Yes	No	Bachelor's degree	No	No	No
21-2011	Clergy	28,193	50,099	58,587	Yes	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	27,481	67,390	103,322	No	Yes	Yes	Bachelor's degree	No	No	Yes
21-2099	Religious Workers, All Other	18,305	40,563	53,777	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	50,532	92,913	101,043	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	28,273	47,883	54,168	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	36,227	95,645	117,130	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	23,816	66,468	94,023	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	136,209	175,103	159,736	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	36,318	61,391	76,192	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
23-2093	Title Examiners, Abstractors, and Searchers	35,308	51,636	61,630	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	21,774	46,338	42,447	No	Yes	No	Associate's degree	No	No	No
25-1011	Business Teachers, Postsecondary	55,483	101,800	119,722	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	43,538	92,167	115,358	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	39,799	77,574	102,378	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	24,730	84,568	105,530	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	50,504	103,227	126,446	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	51,697	97,510	118,687	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	39,482	83,989	102,844	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	64,379	105,511	124,096	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	44,526	88,736	109,931	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	48,825	82,115	96,988	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	21,848	70,161	82,358	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	45,533	88,344	111,628	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	54,308	86,805	98,089	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	40,479	74,982	91,076	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	55,483	101,800	119,722	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	48,974	81,518	96,018	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	49,413	87,841	98,965	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	39,165	76,091	90,787	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	40,134	75,765	92,382	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	41,169	78,460	104,094	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	47,294	85,344	98,907	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	53,590	108,775	116,048	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	39,584	63,820	75,737	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	40,927	66,216	78,040	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	37,066	83,467	90,880	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	52,406	141,860	188,018	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	34,390	69,713	82,059	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	31,154	92,400	105,688	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	38,792	67,615	79,896	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	40,289	82,378	101,408	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	44,135	80,203	103,367	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	27,191	77,667	89,314	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	42,102	87,318	102,676	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	31,117	62,682	76,017	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	29,721	64,128	87,785	Yes	Yes	Yes	Master's degree	No	No	Yes
25-1199	Postsecondary Teachers, All Other	21,401	52,108	65,498	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	21,005	33,171	42,226	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	41,360	49,783	55,006	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2021	Elementary School Teachers, Except Special Education	41,061	49,111	54,158	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	40,460	48,753	53,232	Yes	Yes	No	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	27,947	55,054	70,319	No	Yes	Yes	Bachelor's degree	No	No	No

Workforce Region 17 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	40,826	50,381	57,415	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	40,694	60,826	69,209	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2051	Special Education Teachers, Preschool	29,886	58,001	73,779	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	38,167	59,633	72,016	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	38,251	55,604	65,265	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	38,959	58,803	70,440	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2059	Special Education Teachers, All Other	26,128	48,331	58,756	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	32,904	42,306	48,620	Yes	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	23,116	47,089	59,653	No	Yes	Yes	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	19,037	28,025	30,214	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	23,141	45,692	58,456	No	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	25,485	40,610	47,305	No	No	No	Master's degree	No	No	No
25-4012	Curators	26,986	51,473	58,588	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	18,403	27,125	31,709	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	28,822	49,968	59,808	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	25,307	31,406	35,104	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	17,773	35,686	45,207	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	36,810	63,370	75,589	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	17,848	35,556	45,879	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	18,355	23,291	26,504	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	21,876	46,755	59,661	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	43,716	71,189	81,559	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1012	Craft Artists	17,102	30,567	36,703	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	17,922	44,219	59,204	No	No	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	39,799	61,367	72,939	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1019	Artists and Related Workers, All Other	28,329	79,914	97,697	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	42,237	84,214	116,795	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1022	Fashion Designers	30,203	58,346	67,475	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	20,342	28,318	31,921	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	27,513	45,928	58,059	No	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	31,997	44,466	51,489	Yes	No	No	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	23,903	31,076	32,031	No	No	No	Some college, no degree	Yes	No	No
27-1027	Set and Exhibit Designers	21,084	45,888	56,984	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	29,933	54,746	62,794	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	19,978	41,255	45,890	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	20,116	48,151	53,991	No	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	17,456	66,207	77,882	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	22,757	40,707	50,250	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	17,475	36,675	43,771	No	No	No	Some college, no degree	No	Yes	Yes
27-2031	Dancers	18,775	51,593	75,760	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	17,223	36,302	55,129	No	No	Yes	Some college, no degree	No	Yes	Yes
27-2041	Music Directors and Composers	17,568	61,610	71,653	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	17,670	83,673	117,306	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	22,194	35,006	41,434	No	No	No	Some college, no degree	No	No	Yes
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,566	55,539	68,249	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	26,856	59,111	68,566	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	32,529	54,639	71,338	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	34,006	57,922	63,401	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	27,424	55,016	71,585	No	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	22,585	53,059	61,134	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	21,746	50,951	65,181	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,081	47,697	78,385	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	17,848	41,915	52,163	No	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	25,466	46,522	57,152	No	Yes	Yes	Associate's degree	No	No	No
27-4012	Broadcast Technicians	20,571	43,575	53,199	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	22,016	52,695	60,528	No	Yes	Yes	Associate's degree	No	No	No
27-4021	Photographers	22,582	37,350	44,352	No	No	No	Some college, no degree	No	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	21,839	46,494	57,814	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	29,728	50,336	60,649	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	23,060	75,774	98,378	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	74,989	105,063	122,184	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1021	Dentists, General	104,015	202,553	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	59,530	219,126	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	83,514	168,706	193,958	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	74,851	200,364	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	53,404	163,475	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	41,817	57,744	64,851	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041	Optometrists	49,747	128,523	155,956	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1051	Pharmacists	68,025	118,266	135,282	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1071	Physician Assistants	32,323	89,246	123,462	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-1081	Podiatrists	50,224	123,751	169,695	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	68,191	96,242	111,634	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	69,615	95,543	105,842	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1124	Radiation Therapists	59,778	79,025	84,295	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	26,334	47,660	56,826	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	46,879	60,528	66,009	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	46,103	75,563	91,478	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	33,131	50,494	62,001	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	29,616	48,042	56,229	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	54,896	105,073	117,503	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	53,733	66,085	72,760	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	126,669	164,827	169,872	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,422	62,971	92,335	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	72,878	106,168	112,351	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	67,263	73,741	79,604	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	126,986	253,115	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	127,739	247,568	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	47,538	195,534	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	116,300	228,992	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	54,858	147,585	183,906	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	59,223	203,243	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	118,012	232,271	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	41,112	261,479	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	65,761	72,597	77,948	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	20,207	62,794	75,700	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	29,242	52,783	67,474	Yes	Yes	Yes	Associate's degree	No	No	Yes
29-2031	Cardiovascular Technologists and Technicians	24,166	47,592	65,206	No	Yes	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	54,905	68,673	78,395	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	62,482	77,741	85,535	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	42,988	62,708	69,810	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	31,434	63,657	77,967	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	25,870	40,931	46,212	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	19,312	27,863	30,157	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	24,139	32,144	36,923	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	23,552	34,480	38,504	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	33,710	46,844	51,326	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	26,562	35,062	39,430	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	24,128	35,854	40,851	No	No	No	Postsecondary nondegree award	No	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	34,438	43,629	48,792	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
29-2081	Opticians, Dispensing	25,361	43,693	55,927	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	34,633	71,298	84,213	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	27,135	59,073	68,240	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	27,771	48,041	62,725	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	32,517	40,791	40,357	Yes	No	No	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	55,474	75,252	86,740	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	29,208	55,390	76,219	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	19,933	24,661	26,934	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,806	27,851	30,751	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	20,204	23,728	24,990	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	23,844	27,993	29,840	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	54,846	67,141	76,081	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	18,174	26,436	30,073	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	49,801	64,092	72,399	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	22,914	32,162	37,828	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	46,306	58,517	65,033	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-9091	Dental Assistants	32,958	38,963	41,966	Yes	No	No	Postsecondary nondegree award	Yes	No	No
31-9092	Medical Assistants	23,455	31,505	36,360	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	22,966	33,533	38,295	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	19,172	31,611	36,358	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	20,077	30,390	36,311	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	19,676	27,956	32,712	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	26,159	35,043	39,532	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9099	Healthcare Support Workers, All Other	25,433	31,701	35,805	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	32,031	44,676	46,074	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	57,178	82,960	96,349	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	35,042	59,159	67,502	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	32,158	62,100	80,121	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	26,906	46,867	55,998	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	45,047	65,061	68,547	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	27,648	32,684	35,705	No	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	30,660	43,585	50,494	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,753	35,406	35,392	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	37,207	56,127	64,530	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	19,778	26,539	28,665	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	25,755	39,985	46,895	No	No	No	High school diploma or equivalent	Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	35,669	58,405	74,142	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
33-3052	Transit and Railroad Police	41,971	60,463	71,783	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	25,298	36,153	40,871	No	No	No	Postsecondary nondegree award	No	No	No

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33-9021	Private Detectives and Investigators	33,457	49,373	61,050	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	23,340	32,395	36,712	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	20,086	28,470	31,664	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	25,989	28,838	31,020	No	No	No	No formal educational credential	Yes	Yes	Yes
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	19,053	26,319	29,902	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	33,392	39,603	42,279	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	18,579	31,466	40,809	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	36,774	57,534	70,264	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	20,637	31,989	38,770	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,706	22,771	25,153	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	18,516	22,840	25,287	No	No	No	No formal educational credential	No	No	No
35-2013	Cooks, Private Household	19,629	28,124	32,991	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	20,492	26,794	30,484	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	18,928	22,935	26,753	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	20,207	28,488	33,504	No	No	No	No formal educational credential	No	Yes	Yes
35-2021	Food Preparation Workers	19,947	26,406	29,408	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,615	23,739	24,412	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,863	21,687	23,377	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,656	23,760	23,631	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	18,792	23,297	26,324	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,678	24,114	26,587	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	18,768	22,532	24,385	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,753	24,035	25,231	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	17,643	25,643	28,665	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	28,465	38,576	43,247	Yes	No	No	High school diploma or equivalent	Yes	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	25,442	41,729	56,722	No	No	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,129	25,548	28,691	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,888	23,978	25,624	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	20,123	34,036	49,180	No	No	No	No formal educational credential	No	Yes	Yes
37-2021	Pest Control Workers	27,848	38,843	45,627	No	No	No	High school diploma or equivalent	Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	20,540	30,015	33,268	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	24,297	33,371	38,391	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	20,729	33,682	42,391	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	24,413	33,420	36,964	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	34,036	52,257	61,647	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	25,795	41,357	49,133	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	20,394	37,085	42,633	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	19,746	35,310	39,750	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	17,186	23,396	26,399	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,370	25,690	29,010	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	18,780	32,320	33,383	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	17,783	27,900	30,576	No	No	No	No formal educational credential	No	No	No
39-3031	Ushers, Lobby Attendants, and Ticket Takers	17,773	23,760	26,380	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,550	22,921	22,435	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	24,422	52,499	68,407	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	18,146	25,793	29,401	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	17,671	24,273	28,245	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	31,611	53,077	54,084	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	19,862	27,947	29,532	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	29,532	51,184	57,171	Yes	Yes	Yes	Associate's degree	No	No	No
39-5011	Barbers	20,431	29,663	35,295	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	18,721	26,909	29,988	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	33,952	65,899	76,035	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	18,911	25,215	27,770	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	17,960	24,552	28,329	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,648	33,654	38,857	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	17,559	23,284	26,567	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	20,370	26,430	29,413	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	20,580	30,511	33,458	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	18,724	23,139	25,379	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	20,746	32,715	33,129	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	19,434	29,505	32,393	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	22,320	32,925	38,763	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	18,966	31,374	38,313	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	24,517	42,298	50,641	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	44,531	84,554	108,503	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	20,138	24,880	27,343	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	17,708	26,688	32,991	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	21,390	36,596	40,146	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	20,219	35,388	41,951	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,241	29,104	30,830	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	23,132	53,617	74,242	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	28,891	53,211	61,886	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	35,436	70,025	81,357	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	32,530	45,742	55,635	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes

Workforce Region 17 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	27,171	68,305	78,995	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	38,577	105,434	129,047	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	24,367	63,699	77,203	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,303	36,591	46,018	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models	19,303	36,591	46,018	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	24,935	62,309	64,864	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	19,815	51,312	51,585	No	Yes	No	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	44,797	68,891	80,063	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
41-9041	Telemarketers	19,854	25,793	29,342	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,531	25,709	27,928	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,402	30,383	32,014	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	31,310	55,695	66,704	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	23,273	30,986	35,667	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	22,501	29,290	30,427	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	27,536	38,111	45,058	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	26,896	37,106	42,852	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	28,222	39,699	45,747	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	25,140	38,768	45,513	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	18,501	26,072	29,467	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	30,444	45,185	51,469	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	29,212	43,640	50,458	Yes	No	No	Associate's degree	No	No	No
43-3071	Tellers	27,120	33,570	37,778	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	28,571	43,678	51,063	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	39,284	58,058	67,195	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	27,303	39,043	45,403	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	28,687	39,739	42,549	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	30,452	42,619	50,664	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	21,063	32,305	38,305	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	25,009	33,803	40,321	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	23,866	33,365	38,658	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	19,851	24,375	26,306	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	18,657	26,247	28,478	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	19,094	29,219	29,176	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	29,636	40,098	46,135	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4141	New Accounts Clerks	27,779	37,952	43,165	No	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	21,321	35,749	44,529	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	28,283	40,161	47,347	Yes	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	21,437	28,677	31,824	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	22,137	39,286	54,336	No	No	Yes	High school diploma or equivalent	No	No	Yes
43-4199	Information and Record Clerks, All Other	27,285	41,095	49,265	No	No	No	High school diploma or equivalent	Yes	No	Yes
43-5011	Cargo and Freight Agents	25,543	51,985	59,307	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
43-5021	Couriers and Messengers	18,967	29,593	36,316	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	31,440	45,366	54,061	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5032	Dispatchers, Except Police, Fire, and Ambulance	24,028	40,518	50,783	No	No	No	High school diploma or equivalent	No	No	Yes
43-5041	Meter Readers, Utilities	26,994	46,290	64,696	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5051	Postal Service Clerks	37,765	55,561	63,001	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,608	53,517	65,037	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	45,240	60,066	64,262	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	27,019	47,814	57,832	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	26,008	36,131	43,042	No	No	No	High school diploma or equivalent	Yes	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	29,478	39,166	45,303	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	33,768	57,166	68,246	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	29,501	42,148	49,397	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	26,289	35,236	38,973	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	20,153	34,912	40,414	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	22,658	30,733	33,790	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	19,472	24,125	26,359	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	26,828	49,347	53,926	No	Yes	Yes	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	31,281	43,569	47,928	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	19,046	27,400	32,184	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	20,643	35,344	41,066	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	22,042	29,078	31,735	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	24,814	39,472	52,331	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	30,586	51,576	63,195	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	24,584	42,498	47,904	No	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	39,756	47,212	50,656	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	26,822	45,041	56,209	No	No	Yes	Bachelor's degree	No	No	No
45-2021	Animal Breeders	20,394	37,085	42,633	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	18,346	20,420	20,045	No	No	No	No formal educational credential	No	No	No
45-2091	Agricultural Equipment Operators	21,615	31,285	35,761	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	20,341	25,726	28,417	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	19,823	29,728	36,629	No	No	No	No formal educational credential	No	Yes	Yes

Workforce Region 17 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	18,333	27,042	27,322	No	No	No	No formal educational credential	No	No	No
45-3031	Fishing and Hunting Workers	19,564	30,063	38,530	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	33,793	38,586	41,925	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	25,569	35,024	38,409	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	17,521	33,803	43,044	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	21,531	31,080	36,190	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,398	44,191	55,660	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	40,162	59,115	71,220	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	32,702	48,396	56,789	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	24,725	38,771	47,014	No	No	No	High school diploma or equivalent	No	No	No
47-2022	Stonemasons	30,688	36,880	40,638	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	28,525	39,191	45,497	Yes	No	No	Postsecondary nondegree award	Yes	No	No
47-2041	Carpet Installers	17,456	30,408	39,230	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,398	37,300	48,583	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	24,394	33,383	38,130	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	24,478	36,628	42,605	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	32,334	40,766	46,761	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	31,723	41,766	46,970	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2061	Construction Laborers	24,600	34,067	37,248	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	33,174	38,712	40,778	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	31,397	47,231	56,266	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	32,061	48,831	57,848	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2081	Drywall and Ceiling Tile Installers	22,257	37,175	45,180	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	17,633	38,344	46,988	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	28,014	41,465	48,319	No	No	No	Postsecondary nondegree award	Yes	No	No
47-2121	Glaziers	32,516	37,681	40,097	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	25,597	36,731	43,184	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	34,890	43,167	48,265	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2141	Painters, Construction and Maintenance	22,962	36,625	44,347	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	30,791	44,648	57,152	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	26,798	34,305	39,339	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	33,472	44,278	49,890	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
47-2161	Plasterers and Stucco Masons	21,317	35,229	42,624	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	29,495	42,400	48,760	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2181	Roofers	21,871	35,259	41,347	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	28,379	46,601	51,719	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	35,727	50,240	60,005	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	23,788	33,672	37,663	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20,711	28,441	33,309	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	25,895	29,034	30,703	No	No	No	No formal educational credential	Yes	Yes	No
47-3013	Helpers--Electricians	26,379	35,715	41,570	No	No	No	High school diploma or equivalent	Yes	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	19,303	26,324	30,670	No	No	No	No formal educational credential	No	No	No
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	20,064	25,730	28,437	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	23,033	31,891	36,507	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	24,484	31,322	35,672	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	41,391	59,944	73,067	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	38,633	72,417	91,179	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	23,993	35,892	44,088	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	25,196	37,113	44,014	No	No	No	High school diploma or equivalent	No	No	No
47-4051	Highway Maintenance Workers	21,532	31,239	36,626	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	31,938	44,899	51,483	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	34,945	47,046	51,507	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-4090	Miscellaneous Construction and Related Workers	27,691	39,605	46,179	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	22,100	31,984	37,402	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	32,050	42,214	47,781	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	23,256	50,550	65,340	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	28,891	45,845	58,149	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-5041	Continuous Mining Machine Operators	33,849	53,870	64,267	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining	33,849	53,870	64,267	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-5044	Loading and Moving Machine Operators, Underground Mining	33,849	53,870	64,267	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	28,599	34,968	37,113	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	32,050	42,214	47,781	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	22,100	31,984	37,402	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	36,561	44,488	49,080	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	33,262	52,956	67,913	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	38,621	68,394	84,742	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	25,613	34,613	40,017	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	29,234	53,851	68,697	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	39,981	60,107	75,454	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	31,770	54,933	66,748	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	28,121	39,056	43,744	No	No	No	High school diploma or equivalent	Yes	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	31,537	51,362	64,696	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 17 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	38,179	55,285	68,957	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	39,594	66,953	85,024	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	23,816	35,481	42,335	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	23,381	46,147	60,268	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	32,731	40,261	43,196	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-3011	Aircraft Mechanics and Service Technicians	33,543	65,704	83,446	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-3021	Automotive Body and Related Repairers	22,420	43,757	45,179	No	No	No	Postsecondary nondegree award	No	Yes	No
49-3022	Automotive Glass Installers and Repairers	20,403	34,968	40,321	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	24,194	46,700	60,461	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	31,810	44,975	51,892	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	24,786	39,640	48,061	No	No	No	High school diploma or equivalent	No	No	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	37,000	55,517	64,715	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	34,110	52,313	59,334	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	26,361	46,718	59,036	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	23,928	34,390	40,479	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	26,406	36,148	42,998	No	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	20,841	28,059	31,919	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	25,522	44,787	56,565	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-3093	Tire Repairers and Changers	22,186	28,978	32,047	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	22,687	37,598	44,228	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	34,448	51,025	59,055	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	29,335	42,645	48,720	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9031	Home Appliance Repairers	21,547	44,250	59,885	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-9041	Industrial Machinery Mechanics	33,132	56,321	70,254	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	19,404	31,285	39,234	No	No	No	High school diploma or equivalent	No	No	No
49-9044	Millwrights	34,275	54,203	64,691	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	22,333	31,658	35,910	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	31,132	56,822	75,550	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	33,307	47,879	52,208	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	18,137	38,736	51,278	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	30,456	45,680	52,535	Yes	Yes	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	22,147	32,936	37,542	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,459	40,852	50,737	No	No	No	High school diploma or equivalent	No	No	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	35,789	53,049	60,798	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	24,685	42,769	52,491	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9081	Wind Turbine Service Technicians	41,999	68,771	83,551	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18,230	28,758	34,773	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	31,649	46,960	47,697	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	No
49-9094	Locksmiths and Safe Repairers	21,228	31,434	37,634	No	No	No	High school diploma or equivalent	No	No	No
49-9095	Manufactured Building and Mobile Home Installers	19,918	27,415	29,961	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	30,408	45,906	55,576	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	37,029	61,843	74,450	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	20,026	30,710	36,409	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	22,877	34,319	39,739	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	35,656	63,930	79,676	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	17,969	38,530	49,786	No	No	No	Postsecondary nondegree award	No	No	No
51-2021	Coil Winders, Tapers, and Finishers	17,503	33,430	46,643	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	20,160	30,893	35,285	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	23,881	28,292	29,681	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	25,283	38,032	45,180	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	24,245	33,588	37,393	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	20,940	31,695	37,018	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	21,796	30,072	34,805	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	21,922	33,851	39,999	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	25,062	31,856	36,705	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	20,906	26,697	29,308	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	23,909	31,611	35,491	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	21,614	33,402	40,202	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	18,165	26,212	30,436	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	19,769	25,522	28,627	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	24,077	33,234	37,738	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	24,683	33,337	36,889	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	24,851	34,194	39,994	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,468	30,464	35,472	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	31,266	51,427	62,794	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,701	30,586	35,630	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,531	35,556	41,804	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	31,546	41,552	47,156	Yes	No	No	Postsecondary nondegree award	Yes	No	No

Workforce Region 17 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	25,097	41,009	50,992	No	No	No	Postsecondary nondegree award	No	No	No
51-4051	Metal-Refining Furnace Operators and Tenders	28,646	39,594	46,046	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	24,497	38,670	46,354	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	31,266	51,427	62,794	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	27,909	49,748	58,738	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	20,049	35,211	44,685	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	26,488	36,085	39,943	No	No	No	High school diploma or equivalent	Yes	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,978	38,229	51,167	No	No	No	High school diploma or equivalent	No	No	Yes
51-4111	Tool and Die Makers	35,193	50,230	60,450	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	29,725	44,873	52,358	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	23,545	33,262	38,195	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	20,916	32,553	37,439	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	26,800	42,764	53,199	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	32,978	36,054	39,076	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	24,552	33,579	37,206	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	19,871	31,966	36,339	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	23,240	40,876	51,406	No	No	No	Postsecondary nondegree award	No	No	Yes
51-5112	Printing Press Operators	25,659	38,795	46,971	No	No	No	High school diploma or equivalent	Yes	No	No
51-5113	Print Binding and Finishing Workers	24,817	35,961	41,406	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,973	22,702	24,484	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	17,857	22,818	25,905	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	20,834	24,694	26,057	No	No	No	No formal educational credential	Yes	No	No
51-6041	Shoe and Leather Workers and Repairers	18,473	28,907	34,791	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	17,783	27,844	33,598	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	19,769	26,613	31,705	No	No	No	No formal educational credential	No	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	18,678	27,714	32,395	No	No	No	No formal educational credential	No	No	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	24,058	29,010	32,991	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	19,750	29,271	34,353	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	17,783	24,664	28,087	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	19,657	42,195	65,685	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	35,547	64,267	76,567	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	17,559	27,611	29,373	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	22,492	36,386	43,202	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,447	25,699	31,397	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	24,000	34,281	39,195	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	18,566	34,428	42,671	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	20,291	28,702	31,919	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	19,806	30,716	36,488	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	21,298	38,083	53,012	No	No	No	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	65,675	89,799	101,781	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	47,408	75,886	95,133	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	41,999	68,771	83,551	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	36,414	54,364	61,358	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	29,363	57,833	67,735	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	29,718	48,462	58,989	Yes	Yes	Yes	Associate's degree	No	No	No
51-8092	Gas Plant Operators	30,865	44,722	53,721	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	28,348	47,837	55,679	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	36,544	55,865	59,838	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	24,920	44,596	54,604	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	26,546	39,444	48,161	No	No	No	High school diploma or equivalent	Yes	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	24,331	42,705	57,610	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9022	Grinding and Polishing Workers, Hand	21,503	31,294	35,463	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	19,771	36,668	42,536	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	19,582	33,057	39,398	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	28,522	36,939	40,962	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,808	33,511	38,780	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,466	30,735	35,379	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	21,788	35,211	40,532	No	No	No	Postsecondary nondegree award	No	No	No
51-9071	Jewelers and Precious Stone and Metal Workers	18,903	42,617	49,964	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	20,627	39,510	48,303	No	No	No	Postsecondary nondegree award	No	No	No
51-9082	Medical Appliance Technicians	23,853	43,034	50,569	No	No	No	Postsecondary nondegree award	No	Yes	No
51-9083	Ophthalmic Laboratory Technicians	20,580	31,966	36,078	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	19,879	31,656	38,330	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,389	30,632	39,500	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	32,088	45,646	48,740	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-9141	Semiconductor Processing Technicians										

Workforce Region 17 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	22,557	39,193	46,970	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	24,683	37,039	43,939	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	33,103	50,765	59,567	Yes	Yes	Yes	Associate's degree	No	No	No
51-9191	Adhesive Bonding Machine Operators and Tenders	20,123	32,348	39,202	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,324	32,357	37,169	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	20,244	34,642	42,801	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,428	24,916	30,968	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	28,862	37,574	41,377	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	23,993	34,325	38,624	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	24,459	35,192	42,727	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	19,398	29,426	33,146	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	22,121	32,744	38,119	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	32,451	59,353	73,676	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	34,225	53,613	63,444	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	91,552	214,221	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	40,218	117,904	147,660	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	64,817	114,370	141,738	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	23,704	43,482	56,332	No	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	28,721	54,308	62,729	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,440	27,210	29,532	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,925	25,532	29,406	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	24,712	45,808	58,419	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	22,347	46,748	63,108	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
53-3052	Bus Drivers, Transit and Intercity	19,061	30,757	35,435	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	18,626	22,688	24,771	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,507	29,259	31,374	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	49,935	62,701	69,070	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	50,392	63,316	72,072	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	32,413	52,956	63,307	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	50,392	63,316	72,072	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	20,878	39,342	55,446	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	27,014	51,613	67,372	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	22,231	38,372	45,468	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	20,850	75,634	98,629	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	18,631	40,955	52,173	No	No	No	Postsecondary nondegree award	No	No	Yes
53-5031	Ship Engineers	30,679	68,435	83,831	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	23,956	37,244	45,729	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	19,575	23,907	25,922	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	19,620	27,025	30,835	No	No	No	No formal educational credential	No	No	No
53-6041	Traffic Technicians	26,865	44,638	51,809	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	53,810	84,916	113,792	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,531	22,930	24,720	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	20,316	40,479	53,614	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-7011	Conveyor Operators and Tenders	18,659	31,677	37,999	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	45,489	61,016	70,762	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	31,835	44,927	52,163	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	25,159	38,754	40,731	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	26,528	37,170	44,486	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	20,748	28,449	32,892	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	22,440	33,045	37,778	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	27,790	33,513	37,659	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	19,304	25,742	25,910	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	21,183	31,593	37,681	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	32,758	60,808	73,107	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	18,930	37,980	45,244	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	23,387	37,104	45,589	No	No	No	High school diploma or equivalent	No	No	No
53-7081	Refuse and Recyclable Material Collectors	22,823	37,536	43,834	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	18,659	31,677	37,999	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	21,205	39,733	50,550	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 17 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	28,146	45,661	53,257	
1	No formal educational credential	20,531	27,938	30,898	83
2	High school diploma or equivalent	25,567	41,607	49,207	230
3	Some college, no degree	23,508	35,251	41,212	48
4	Postsecondary nondegree award	26,152	42,124	51,288	85
5	Associate's degree	35,738	53,063	63,013	63
6	Bachelor's degree	40,929	73,087	87,342	172
7	Master's degree	45,613	73,905	85,412	39
8	Doctoral or professional degree	69,509	133,994	136,228	63

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	468	315	456	327	443	340
No formal educational credential	49.4%	50.6%	39.8%	60.2%	37.3%	62.7%
High school diploma or equivalent	66.1%	33.9%	74.8%	25.2%	73.9%	26.1%
Some college, no degree	31.3%	68.8%	20.8%	79.2%	18.8%	81.3%
Postsecondary nondegree award	45.9%	54.1%	38.8%	61.2%	43.5%	56.5%
Associate's degree	71.4%	28.6%	50.8%	49.2%	47.6%	52.4%
Bachelor's degree	57.6%	42.4%	60.5%	39.5%	59.3%	40.7%
Master's degree	69.2%	30.8%	66.7%	33.3%	51.3%	48.7%
Doctoral or professional degree	79.4%	20.6%	73.0%	27.0%	69.8%	30.2%

Workforce Region 18 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	47,275	187,564	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	39,636	110,209	134,190	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	18,606	66,143	104,689	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-2011	Advertising and Promotions Managers	48,431	110,444	128,258	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	53,774	108,690	127,644	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	56,297	137,196	183,069	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	53,815	105,307	134,877	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	37,143	80,740	95,059	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3021	Computer and Information Systems Managers	67,650	119,322	146,117	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	47,335	112,648	144,272	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	58,681	113,044	131,540	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	35,008	110,782	152,468	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	50,940	101,731	116,928	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	54,325	96,348	137,377	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	55,549	107,464	128,655	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	73,031	137,907	181,583	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	36,885	79,298	84,068	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
11-9021	Construction Managers	68,012	99,095	114,103	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	33,585	49,375	50,403	Yes	Yes	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	49,998	87,062	103,568	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	46,324	91,538	104,695	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9039	Education Administrators, All Other	37,270	69,407	68,786	Yes	Yes	Yes	Master's degree	No	No	No
11-9041	Architectural and Engineering Managers	86,423	144,344	170,017	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	35,295	64,694	86,389	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	45,976	87,840	96,603	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	33,164	52,161	70,012	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	50,095	107,942	127,573	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	44,894	88,708	121,083	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	70,215	87,870	100,064	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	27,261	53,418	62,077	No	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	43,846	65,728	68,531	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9161	Emergency Management Directors	59,398	77,181	84,193	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9171	Funeral Home Managers	41,957	57,432	61,613	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	53,025	94,156	121,233	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	33,213	52,595	56,105	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1020	Buyers and Purchasing Agents	32,627	63,863	73,460	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	24,579	71,122	93,919	No	Yes	Yes	Some college, no degree	No	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	48,940	68,590	80,426	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	33,051	60,398	71,722	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	33,722	67,423	84,753	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	36,740	63,920	77,411	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	36,885	79,298	84,068	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	18,388	37,360	51,534	No	No	No	Bachelor's degree	No	No	No
13-1081	Logisticians	35,075	60,479	71,081	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	30,212	101,419	122,473	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	28,330	56,965	77,499	No	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	29,397	70,385	97,827	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1141	Compensation, Benefits, and Job Analysis Specialists	41,607	60,324	69,386	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1151	Training and Development Specialists	33,156	62,657	79,076	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	30,163	62,971	76,955	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	35,086	69,341	82,528	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	35,972	73,087	82,157	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	43,305	59,438	70,408	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2031	Budget Analysts	41,707	60,284	71,932	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	43,644	62,704	75,678	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2052	Personal Financial Advisors	36,873	125,674	194,294	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	42,806	74,373	94,504	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2061	Financial Examiners	45,966	83,210	100,355	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	41,736	48,017	50,789	Yes	Yes	No	Bachelor's degree	Yes	No	No
13-2072	Loan Officers	31,792	60,555	82,943	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	30,452	49,938	52,520	Yes	Yes	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	19,221	47,004	60,945	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	30,015	81,071	94,971	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1211	Computer Systems Analysts	44,147	82,126	101,159	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	59,077	113,622	140,229	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	72,921	119,725	139,864	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	42,471	72,253	83,620	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	30,277	54,980	65,322	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	65,227	101,279	130,676	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	54,883	88,228	101,782	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1245	Database Administrators and Architects	49,616	93,114	120,606	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	43,605	71,788	84,451	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	50,551	105,420	140,917	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	19,552	47,970	57,551	No	Yes	Yes	Associate's degree	No	No	No

Workforce Region 18 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	33,268	66,840	80,243	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2011	Actuaries	49,339	116,532	143,706	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	70,286	105,365	119,156	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	35,012	81,956	94,031	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
15-2041	Statisticians	29,642	52,525	67,133	Yes	Yes	Yes	Master's degree	No	No	No
15-2098	Data Scientists and Mathematical Science Occupations, All Other	51,495	92,740	118,208	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	64,864	90,031	93,669	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-1012	Landscape Architects	70,134	90,421	106,086	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1021	Cartographers and Photogrammetrists	57,507	114,971	138,246	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1022	Surveyors	30,063	54,686	65,756	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	66,624	109,317	130,304	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	43,641	80,505	99,547	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	62,213	90,944	109,187	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	49,938	97,491	123,278	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	45,772	81,472	97,292	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	48,019	83,794	99,518	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	45,398	97,808	110,537	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	64,339	97,289	115,697	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	34,223	103,595	147,980	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	48,395	80,320	106,031	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	43,218	77,924	93,332	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2121	Marine Engineers and Naval Architects	48,371	80,146	95,814	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	50,856	95,974	116,971	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	51,752	87,283	112,514	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	73,360	117,899	144,315	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	85,904	108,349	122,380	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	73,839	160,382	197,187	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	44,980	72,761	81,976	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-3011	Architectural and Civil Drafters	41,230	52,934	60,129	Yes	Yes	Yes	Associate's degree	Yes	No	No
17-3012	Electrical and Electronics Drafters	23,342	52,143	64,718	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	41,223	66,010	80,167	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	33,482	55,077	63,500	Yes	Yes	Yes	Associate's degree	No	Yes	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	40,637	68,520	88,379	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	34,507	51,829	60,599	Yes	Yes	Yes	Associate's degree	No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	24,694	55,760	72,133	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	33,122	53,032	61,544	Yes	Yes	Yes	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	27,095	43,641	52,243	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	34,290	56,477	74,455	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	31,326	55,217	71,184	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	24,972	39,207	45,083	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	35,113	52,087	62,651	Yes	Yes	Yes	Associate's degree	No	No	No
19-1011	Animal Scientists	41,495	64,658	77,402	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	32,035	58,051	73,061	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	31,775	72,113	97,870	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1021	Biochemists and Biophysicists	44,010	79,727	90,794	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	36,136	62,682	76,524	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	26,912	40,592	46,549	No	No	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	38,012	71,115	91,882	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	33,761	69,428	86,773	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1032	Foresters	46,345	75,725	96,852	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-1041	Epidemiologists	32,843	55,117	68,630	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	52,257	95,372	116,000	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	50,317	104,097	130,553	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	85,495	145,882	165,641	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
19-2012	Physicists	85,495	145,882	165,641	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
19-2021	Atmospheric and Space Scientists	59,079	98,788	116,113	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	43,477	65,877	66,670	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-2032	Materials Scientists	49,569	102,989	133,926	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	35,840	51,318	60,270	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	51,754	90,365	114,805	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	46,814	95,555	112,290	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	47,383	116,931	136,880	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	52,782	94,187	106,233	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	29,450	72,133	95,106	Yes	Yes	Yes	Master's degree	No	No	No
19-3031	Clinical, Counseling, and School Psychologists	38,831	77,252	88,030	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	29,450	72,133	95,106	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	74,956	101,651	112,519	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
19-3041	Sociologists	52,932	75,605	91,713	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	42,198	65,551	77,757	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	32,843	55,117	68,630	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	24,919	58,470	85,864	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	54,558	82,851	97,880	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	19,251	36,406	44,090	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	33,032	52,137	56,344	Yes	Yes	Yes	Bachelor's degree	No	No	No

Workforce Region 18 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
19-4031	Chemical Technicians	33,557	52,669	62,212	Yes	Yes	Yes	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	31,600	42,774	49,483	Yes	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	26,266	46,465	56,265	No	No	Yes	Associate's degree	No	No	No
19-4051	Nuclear Technicians	70,286	96,104	108,927	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	26,905	53,680	62,243	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	31,156	46,914	56,095	Yes	No	Yes	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	33,684	46,446	51,621	Yes	No	No	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	26,578	51,819	61,792	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	34,455	67,516	90,043	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	30,001	48,352	52,072	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	19,219	52,093	64,941	No	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	27,151	37,371	44,475	No	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	35,055	45,698	52,389	Yes	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	34,769	65,917	69,140	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	23,781	36,226	40,358	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	32,469	42,302	47,575	Yes	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	24,867	53,218	70,082	No	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	29,527	49,009	64,016	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	34,824	51,484	66,141	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	38,102	74,258	89,195	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	32,627	40,154	44,376	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	26,637	38,743	41,764	No	No	No	Some college, no degree	Yes	No	No
21-1094	Community Health Workers	31,955	42,753	48,521	Yes	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	30,751	41,360	47,479	Yes	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	30,635	54,567	62,144	Yes	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	32,529	66,883	77,940	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	19,247	44,079	55,350	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	51,914	138,876	174,603	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
23-1012	Judicial Law Clerks	30,258	51,245	57,971	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	38,771	102,361	125,354	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	25,488	71,135	100,624	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	145,772	187,397	170,951	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	33,536	45,850	51,064	Yes	No	No	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	26,896	34,036	39,440	No	No	No	High school diploma or equivalent	Yes	No	No
23-2099	Legal Support Workers, All Other	23,176	71,290	109,617	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	59,379	108,947	128,128	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	46,595	98,638	123,458	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	42,593	83,020	109,566	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	26,466	90,505	112,939	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	54,050	110,474	135,323	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	55,327	104,357	127,020	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	42,254	89,886	110,065	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	68,899	112,919	132,809	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	47,653	94,966	117,650	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	52,253	87,880	103,798	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	23,382	75,087	88,140	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	48,730	94,547	119,466	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	58,121	92,900	104,975	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	43,321	80,246	97,471	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	59,379	108,947	128,128	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	52,413	87,242	102,760	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	52,882	94,008	105,913	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	41,914	81,434	97,161	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	42,952	81,084	98,868	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	44,060	83,968	111,402	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	57,353	116,412	124,196	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	57,353	116,412	124,196	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	42,363	68,300	81,054	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	43,800	70,865	83,519	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	39,669	89,327	97,261	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	56,085	151,820	201,219	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	36,805	74,607	87,820	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	33,342	98,888	113,109	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	41,515	72,362	85,505	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	31,196	76,613	106,123	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	47,233	85,835	110,624	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	29,101	83,120	95,585	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	45,058	93,449	109,885	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	33,302	67,083	81,354	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	31,665	55,856	66,205	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	22,903	55,766	70,097	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,711	34,930	42,003	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	44,806	61,272	67,376	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2021	Elementary School Teachers, Except Special Education	40,125	60,303	71,277	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	41,932	58,381	66,896	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	29,909	58,920	75,256	Yes	Yes	Yes	Bachelor's degree	No	No	No

Workforce Region 18 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	43,269	62,870	73,744	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	43,551	65,097	74,069	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	31,985	62,073	78,959	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	40,121	49,261	51,609	Yes	Yes	No	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	40,936	59,508	69,847	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	41,695	62,931	75,386	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	27,963	51,724	62,881	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	28,656	45,120	55,826	No	No	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	19,121	39,170	46,365	No	No	No	Some college, no degree	No	No	No
25-3031	Substitute Teachers, Short-Term	18,901	31,558	34,523	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	20,887	43,046	57,176	No	No	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	27,274	43,461	50,627	No	No	No	Master's degree	No	No	No
25-4012	Curators	32,929	57,055	64,052	Yes	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	22,823	41,176	49,609	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	41,963	59,702	66,883	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	27,407	35,135	39,306	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	19,021	38,192	48,381	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	28,685	53,997	65,814	No	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	19,101	38,052	49,100	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	20,248	27,970	30,850	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	23,412	50,038	63,849	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	43,779	70,204	79,122	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1012	Craft Artists	18,303	32,713	39,280	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,731	51,899	69,427	No	Yes	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	43,580	78,126	101,191	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
27-1019	Artists and Related Workers, All Other	30,318	85,525	104,556	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	33,291	62,892	82,674	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	32,324	62,442	72,212	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	23,309	31,890	36,770	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	31,269	53,683	64,681	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	28,849	59,735	65,442	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	23,008	33,213	37,459	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	22,689	43,141	53,173	No	No	No	Bachelor's degree	No	No	No
27-1029	Designers, All Other	32,035	58,590	67,203	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	21,380	44,151	49,112	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	27,432	77,262	78,231	No	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	20,777	54,510	72,181	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	18,154	28,848	34,081	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	21,043	35,574	49,936	No	No	No	Some college, no degree	No	No	Yes
27-2031	Dancers	20,093	55,215	81,079	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	18,432	38,851	58,999	No	No	Yes	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	29,784	71,264	98,713	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
27-2042	Musicians and Singers	18,910	89,548	125,542	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,911	25,977	30,228	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	19,869	59,438	73,041	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	26,478	49,772	57,551	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	34,611	58,233	65,694	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	19,173	46,582	60,290	No	No	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	42,376	60,780	75,401	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-3043	Writers and Authors	31,124	52,564	68,140	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	45,022	62,947	70,852	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-3092	Court Reporters and Simultaneous Captioners	19,350	51,046	83,889	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	19,101	44,858	55,826	No	No	Yes	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	26,684	43,441	52,438	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	20,988	40,050	49,787	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	23,562	56,395	64,778	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	19,199	40,230	53,467	No	No	No	Some college, no degree	No	No	Yes
27-4031	Camera Operators, Television, Video, and Film	23,372	49,758	61,874	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	28,151	45,925	58,441	No	No	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	24,680	81,094	105,285	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	36,434	119,693	124,873	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	184,895	278,792	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	63,710	234,511	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	89,377	180,551	207,576	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	80,106	214,432	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	57,153	174,952	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	43,744	60,733	71,856	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041	Optometrists	106,523	170,840	216,131	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1051	Pharmacists	68,246	118,278	140,649	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1071	Physician Assistants	85,392	128,540	156,546	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	53,750	132,439	181,609	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	70,193	91,933	103,789	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	57,845	93,141	106,171	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	57,602	84,667	98,239	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 18 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
29-1125	Recreational Therapists	28,182	51,006	60,816	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	52,728	62,443	67,338	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	57,973	91,742	112,073	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	43,497	53,188	59,552	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	53,825	70,409	82,699	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1131	Veterinarians	89,581	105,110	116,516	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	53,019	70,240	80,098	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	135,563	176,399	181,798	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	21,855	67,392	98,818	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	59,028	111,494	131,353	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	44,130	73,610	83,120	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	135,902	270,886	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	123,738	208,492	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	50,876	209,262	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	146,133	235,922	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	168,735	219,638	196,818	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1223	Psychiatrists	46,794	201,119	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	63,345	220,277	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	52,231	275,190	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	67,279	77,312	83,568	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	21,626	67,203	81,014	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	33,532	56,203	65,377	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	18,659	40,600	60,132	No	No	Yes	Associate's degree	No	No	No
29-2032	Diagnostic Medical Sonographers	53,613	72,751	82,855	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	59,568	75,033	84,572	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	41,432	57,738	69,389	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	19,953	54,526	74,568	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	25,601	40,525	48,345	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-2051	Dietetic Technicians	22,960	29,400	31,350	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	24,335	34,552	39,141	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	25,508	32,619	36,913	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	29,902	46,149	53,134	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	27,775	41,053	49,908	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	30,410	40,036	46,440	Yes	No	No	Postsecondary nondegree award	Yes	No	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	39,580	48,484	52,360	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	29,222	48,906	59,783	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2091	Orthotists and Prosthetists	37,064	76,304	90,126	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	33,469	54,178	70,938	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	28,683	39,935	41,319	No	No	No	Postsecondary nondegree award	Yes	No	No
29-9091	Athletic Trainers	19,737	45,748	56,396	No	No	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	59,369	80,535	92,830	Yes	Yes	Yes	Master's degree	Yes	No	No
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	31,294	54,056	71,297	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	21,429	27,592	30,696	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	25,319	31,793	35,887	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	21,217	28,272	31,066	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	25,518	29,959	31,935	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	45,385	68,774	80,582	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	19,450	28,292	32,184	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	44,641	62,482	73,760	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	23,004	30,302	33,839	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	19,808	42,894	50,952	No	No	No	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	34,975	46,106	51,809	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	29,400	38,007	41,218	Yes	No	No	Postsecondary nondegree award	Yes	No	No
31-9093	Medical Equipment Preparers	26,485	34,864	39,799	No	No	No	High school diploma or equivalent	Yes	No	No
31-9094	Medical Transcriptionists	27,892	38,482	43,402	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9095	Pharmacy Aides	20,993	26,224	29,412	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	21,166	28,827	32,890	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	26,965	35,033	39,334	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	25,451	35,269	39,482	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	40,290	82,242	98,494	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	59,499	84,148	97,955	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	54,626	82,944	105,003	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	27,799	41,639	41,703	No	No	No	Some college, no degree	Yes	Yes	No
33-2011	Firefighters	36,224	50,895	59,943	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	34,753	57,388	73,019	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	29,590	34,978	38,212	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	32,813	46,645	54,040	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	31,344	54,383	63,821	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	42,507	65,900	72,811	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	21,167	28,402	30,677	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	27,564	42,793	50,187	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	43,075	63,170	77,389	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	44,918	64,708	76,823	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	27,075	38,691	43,741	No	No	No	Postsecondary nondegree award	No	No	No

Workforce Region 18 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	33,292	49,239	60,007	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	24,979	34,669	39,290	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	21,747	29,007	31,716	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	20,609	25,735	28,722	No	No	No	No formal educational credential	No	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	19,114	28,470	35,473	No	No	No	No formal educational credential	No	No	Yes
33-9093	Transportation Security Screeners	35,737	42,383	45,248	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	22,058	30,974	34,053	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	43,025	60,015	65,017	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	25,191	42,180	53,825	No	No	No	High school diploma or equivalent	No	Yes	Yes
35-2011	Cooks, Fast Food	19,104	23,824	25,412	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	21,118	30,128	34,594	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2013	Cooks, Private Household	21,007	30,098	35,308	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	21,410	29,922	35,536	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	21,313	26,654	30,046	No	No	No	No formal educational credential	Yes	No	No
35-2019	Cooks, All Other	21,626	30,488	35,857	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	21,528	28,030	31,282	No	No	No	No formal educational credential	Yes	No	No
35-3011	Bartenders	18,619	29,161	40,830	No	No	No	No formal educational credential	No	No	Yes
35-3023	Fast Food and Counter Workers	19,097	26,611	26,395	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,716	27,744	32,705	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	19,077	24,322	26,839	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,659	22,912	25,308	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	20,513	25,214	28,295	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,896	23,592	26,403	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	27,238	32,112	36,095	No	No	No	No formal educational credential	Yes	Yes	Yes
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	26,733	38,999	47,183	No	No	No	High school diploma or equivalent	Yes	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	28,479	44,838	53,840	No	No	No	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	20,145	27,699	30,332	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,102	26,518	30,818	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	21,536	36,426	52,632	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	30,663	39,787	43,854	Yes	No	No	High school diploma or equivalent	Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	22,404	32,767	38,316	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	26,556	36,072	38,926	No	No	No	High school diploma or equivalent	Yes	No	No
37-3013	Tree Trimmers and Pruners	20,084	34,548	44,703	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	33,941	41,036	41,904	Yes	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	36,426	55,926	65,975	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	33,479	56,135	76,232	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	22,359	34,834	39,424	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	19,200	27,765	31,248	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	18,392	25,039	28,252	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	19,660	27,494	31,047	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	20,099	34,589	35,727	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	19,031	29,859	32,723	No	No	No	No formal educational credential	No	Yes	No
39-3031	Ushers, Lobby Attendants, and Ticket Takers	18,773	23,977	28,945	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,644	22,814	25,089	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	27,259	40,730	48,623	No	No	No	High school diploma or equivalent	Yes	No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	19,894	32,417	38,732	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,911	25,977	30,228	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	33,831	56,804	57,882	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	22,821	33,323	36,984	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	30,037	48,169	59,559	Yes	Yes	Yes	Associate's degree	No	No	No
39-5011	Barbers	21,865	31,745	37,773	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	20,461	33,033	36,928	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	36,336	70,526	81,374	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	20,462	26,340	25,021	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	19,221	26,276	30,318	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	26,889	35,713	39,287	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	19,143	27,224	30,670	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	21,998	32,068	37,630	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	21,558	31,303	37,201	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,969	34,759	48,148	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	20,468	44,103	53,261	No	No	No	Postsecondary nondegree award	No	Yes	Yes
39-9032	Recreation Workers	20,683	31,982	37,963	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	20,476	27,083	29,706	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	20,132	34,745	44,086	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	29,406	52,485	59,646	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	40,053	81,090	99,324	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,696	24,429	26,147	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,951	28,562	35,308	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	20,710	33,749	35,479	No	No	No	No formal educational credential	No	Yes	Yes
41-2022	Parts Salespersons	21,714	42,525	41,256	No	No	No	High school diploma or equivalent	No	Yes	No
41-2031	Retail Salespersons	19,983	31,758	31,504	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	20,054	50,652	57,748	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	30,724	55,611	63,766	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	36,967	71,131	78,501	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	19,571	43,999	57,261	No	No	Yes	Some college, no degree	No	Yes	Yes

Workforce Region 18 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	29,332	63,219	76,333	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	34,760	74,612	72,911	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	29,679	66,146	82,096	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	18,310	22,366	21,953	No	No	No	No formal educational credential	No	No	No
41-9012	Models	20,658	39,160	49,249	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	24,026	42,424	57,948	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	18,872	62,018	69,007	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	63,483	103,143	120,230	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	27,623	34,563	39,059	No	No	No	High school diploma or equivalent	Yes	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	18,762	27,514	29,889	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	19,908	28,444	30,705	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	33,878	56,244	66,982	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	21,176	34,677	39,181	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	24,081	31,346	32,563	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	29,470	40,787	48,221	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	29,074	38,228	40,994	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	32,404	39,268	42,019	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	25,482	43,078	50,723	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	19,800	27,903	31,536	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	19,173	44,707	52,685	No	No	No	Some college, no degree	No	Yes	Yes
43-3061	Procurement Clerks	29,826	45,338	55,870	Yes	No	Yes	Associate's degree	No	No	No
43-3071	Tellers	28,793	35,849	39,505	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	30,577	46,744	54,648	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	36,774	51,244	60,185	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	29,220	41,785	48,591	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	28,027	40,876	46,348	No	No	No	Some college, no degree	Yes	Yes	No
43-4041	Credit Authorizers, Checkers, and Clerks	28,402	43,232	49,599	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	23,900	35,724	39,985	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	26,983	35,431	42,048	No	No	No	High school diploma or equivalent	Yes	No	No
43-4071	File Clerks	20,310	33,182	39,490	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	20,427	26,958	30,274	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	25,360	34,666	39,583	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	19,999	28,372	31,715	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	41,259	52,657	61,195	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	29,729	40,617	46,196	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	23,711	32,475	36,105	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	28,160	43,525	56,728	No	No	Yes	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	23,166	32,814	38,317	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	23,664	33,427	38,301	No	No	No	High school diploma or equivalent	No	No	No
43-4199	Information and Record Clerks, All Other	22,202	39,190	44,310	No	No	No	High school diploma or equivalent	No	No	No
43-5011	Cargo and Freight Agents	22,887	36,589	47,654	No	No	No	High school diploma or equivalent	No	No	No
43-5021	Couriers and Messengers	22,698	29,715	32,128	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	30,953	42,582	48,746	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	31,378	38,388	41,494	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5041	Meter Readers, Utilities	26,445	45,979	59,604	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5051	Postal Service Clerks	37,763	52,136	62,994	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,063	53,152	65,034	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	35,392	48,893	61,606	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	31,245	46,077	53,831	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	24,619	33,181	37,672	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	26,312	31,748	35,300	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	34,636	50,895	60,664	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	32,336	46,953	58,890	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	27,108	35,752	39,743	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	23,598	37,174	44,652	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	25,755	35,610	41,255	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	20,269	32,783	39,130	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	28,711	52,812	57,712	No	Yes	Yes	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	32,558	41,741	47,741	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	24,095	37,176	47,013	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	19,498	35,352	40,482	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	20,318	33,322	38,731	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	26,556	42,244	56,006	No	No	Yes	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	32,733	55,197	67,632	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	23,552	41,685	49,329	No	No	No	Some college, no degree	No	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	37,595	50,796	55,696	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	20,468	37,234	47,104	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	21,825	39,689	45,627	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	25,588	33,831	37,982	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	23,133	33,482	38,272	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	20,392	23,648	24,438	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	18,816	24,014	24,821	No	No	No	No formal educational credential	No	No	No

Workforce Region 18 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	19,620	28,941	29,240	No	No	No	No formal educational credential	No	No	No
45-3031	Fishing and Hunting Workers	20,937	32,174	41,236	No	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	36,166	41,296	44,868	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	27,364	37,483	41,106	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	18,752	36,176	46,066	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	23,043	33,262	38,731	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	19,690	47,293	59,568	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	41,908	63,207	74,542	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	34,998	51,794	60,776	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	26,236	40,094	47,517	No	No	No	High school diploma or equivalent	No	No	No
47-2022	Stonemasons	32,843	39,469	43,491	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	23,628	39,673	49,775	No	No	No	Postsecondary nondegree award	No	No	Yes
47-2041	Carpet Installers	18,682	32,543	41,984	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	23,971	39,918	51,994	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	26,107	35,727	40,807	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	28,801	40,065	46,588	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	28,165	37,824	43,699	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	33,951	44,699	50,267	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	25,739	37,645	42,581	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	26,685	37,483	40,358	No	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	33,601	50,547	60,217	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	33,514	41,899	47,705	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	19,918	36,429	44,189	No	No	No	No formal educational credential	No	Yes	Yes
47-2082	Tapers	18,871	41,036	50,287	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	32,783	44,712	50,625	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	26,683	36,627	44,355	No	No	No	High school diploma or equivalent	Yes	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	27,394	39,310	46,216	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	29,200	39,809	46,046	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	29,839	38,062	39,913	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	32,953	47,782	61,165	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	33,609	42,413	48,091	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	32,803	43,515	49,806	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	22,201	33,271	41,605	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	31,565	45,377	52,183	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	19,175	36,179	45,915	No	No	No	No formal educational credential	No	Yes	Yes
47-2211	Sheet Metal Workers	27,716	39,858	47,810	No	No	No	High school diploma or equivalent	Yes	No	No
47-2221	Structural Iron and Steel Workers	25,887	35,004	40,305	No	No	No	High school diploma or equivalent	No	No	No
47-2231	Solar Photovoltaic Installers	25,458	36,036	40,308	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	18,508	28,396	43,181	No	No	No	No formal educational credential	No	No	Yes
47-3012	Helpers--Carpenters	23,662	34,621	39,608	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	24,701	32,822	37,758	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	20,658	28,172	32,823	No	No	No	No formal educational credential	No	No	No
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	27,016	35,018	42,112	No	No	No	High school diploma or equivalent	Yes	No	No
47-3016	Helpers--Roofers	31,759	35,903	38,800	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	23,013	31,526	36,266	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	40,384	58,707	66,874	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	41,345	77,502	97,581	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	25,678	38,411	47,184	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	26,965	39,719	47,104	No	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	26,884	35,723	41,350	No	No	No	High school diploma or equivalent	Yes	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	34,180	48,052	55,097	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	25,737	38,192	41,236	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	30,335	53,541	68,341	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-5011	Derrick Operators, Oil and Gas	23,652	34,230	40,028	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	34,300	45,178	51,135	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	24,889	54,099	69,927	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	26,147	41,166	47,722	No	No	No	High school diploma or equivalent	No	No	No
47-5041	Continuous Mining Machine Operators	36,226	57,652	68,779	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	36,226	57,652	68,779	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	30,607	37,424	39,719	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	34,300	45,178	51,135	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	23,652	34,230	40,028	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	26,406	45,766	53,211	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	35,597	56,674	72,681	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	40,904	63,003	69,304	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	33,364	44,536	49,971	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	31,286	57,632	73,520	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	36,398	61,061	76,730	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	34,000	58,790	71,434	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	28,252	43,282	51,215	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	33,751	54,968	69,238	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	35,018	54,778	64,528	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	42,373	71,654	90,994	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	25,488	37,972	45,307	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	24,220	43,910	55,736	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	33,736	44,637	50,297	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	23,249	48,635	60,135	No	Yes	Yes	Associate's degree	No	No	No
49-3021	Automotive Body and Related Repairers	32,051	70,109	72,809	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	21,835	37,424	43,152	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	22,534	42,959	50,551	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	29,348	45,533	55,500	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	33,479	42,772	49,448	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	35,049	49,317	57,384	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	36,505	55,986	63,500	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	33,946	55,601	68,507	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	25,608	36,805	43,321	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	29,198	39,596	44,558	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	22,304	30,029	34,160	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	28,280	48,826	62,146	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	20,267	30,989	37,765	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	24,280	40,238	47,333	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	28,050	37,745	43,842	No	No	No	Postsecondary nondegree award	Yes	No	No
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	30,099	45,063	52,176	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	26,426	40,477	48,391	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9041	Industrial Machinery Mechanics	30,266	47,618	57,829	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	31,373	51,370	63,303	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9044	Millwrights	32,094	50,078	61,754	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	23,901	33,881	38,431	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	33,941	59,478	77,332	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	32,418	48,414	53,683	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	19,410	41,455	54,878	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	27,462	43,413	54,432	No	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	23,702	35,248	40,178	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	21,895	43,721	54,299	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	38,302	56,774	65,067	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	26,392	42,232	49,503	No	No	No	High school diploma or equivalent	No	Yes	No
49-9081	Wind Turbine Service Technicians	44,948	73,600	89,417	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	19,510	30,777	37,214	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	33,871	50,257	51,046	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	19,007	33,566	40,283	No	No	No	High school diploma or equivalent	No	No	No
49-9095	Manufactured Building and Mobile Home Installers	21,316	29,340	32,064	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	32,543	38,781	43,536	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-9097	Signal and Track Switch Repairers	39,629	66,185	79,677	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	23,017	33,031	38,200	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	27,684	40,585	48,698	No	No	No	High school diploma or equivalent	Yes	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	36,811	60,304	68,873	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	19,231	41,236	53,281	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	18,732	35,777	49,918	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	19,608	31,356	37,024	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	25,558	30,278	31,765	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	26,012	37,903	45,750	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	31,782	39,175	44,647	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	24,127	35,428	41,140	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	22,010	29,673	31,991	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	20,677	32,752	38,928	No	No	No	No formal educational credential	No	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	24,130	32,131	37,431	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	22,374	28,572	31,366	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	25,588	33,831	37,982	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	19,790	30,368	35,098	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	19,440	28,053	32,573	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	21,157	27,314	30,637	No	No	No	No formal educational credential	Yes	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	26,196	33,040	37,706	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	26,416	35,677	39,479	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	21,720	29,781	35,443	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	21,976	30,871	36,762	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	33,462	55,037	67,203	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24,194	33,368	38,004	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	23,043	38,052	44,739	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	33,761	44,469	50,467	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 18 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	26,557	40,546	47,359	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	30,657	42,373	49,279	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal	26,216	41,385	49,609	No	No	No	High school diploma or equivalent	No	No	Yes
51-4061	Model Makers, Metal and Plastic	33,462	55,037	67,203	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	29,869	53,241	62,862	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	21,456	37,683	47,822	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	20,920	34,435	45,225	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24,952	39,691	49,138	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	34,691	51,436	60,752	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	30,277	43,597	49,502	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	25,198	35,597	40,876	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	22,384	34,839	40,068	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	28,681	45,766	56,934	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	28,542	38,871	42,074	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	26,276	35,937	39,819	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	21,267	34,210	38,891	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	22,747	36,646	40,398	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	23,633	35,371	39,742	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	20,361	31,563	41,248	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,335	22,367	24,537	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	19,111	24,420	27,723	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	18,807	27,200	32,240	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	19,770	30,937	37,234	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	19,031	29,799	35,956	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	21,157	28,482	33,931	No	No	No	No formal educational credential	Yes	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	22,120	35,577	46,249	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	25,747	31,047	35,308	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	21,137	31,326	36,765	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	19,031	26,396	30,059	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	21,037	45,158	70,296	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	38,042	68,779	81,942	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	18,792	29,550	31,436	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	22,264	34,693	40,894	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	18,672	27,504	33,601	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	25,751	37,152	44,332	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	18,829	33,616	44,790	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood	29,869	53,241	62,862	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	21,716	30,717	34,160	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	29,348	40,026	45,059	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-7099	Woodworkers, All Other	22,793	40,757	56,734	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	70,286	96,104	108,927	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	50,736	81,214	101,812	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	44,948	73,600	89,417	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	38,970	58,181	65,666	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	32,609	46,609	54,432	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	31,805	51,864	63,131	Yes	Yes	Yes	Associate's degree	No	No	No
51-8092	Gas Plant Operators	33,032	47,862	57,492	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	30,338	51,195	59,588	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	39,110	59,788	64,039	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	26,705	44,629	56,445	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	28,209	46,856	60,991	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	29,449	37,762	41,629	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9022	Grinding and Polishing Workers, Hand	23,013	33,492	37,952	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	23,575	34,246	39,877	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	20,957	35,378	42,164	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	23,184	32,654	37,812	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	23,801	33,921	38,531	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	22,973	32,893	37,863	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	26,457	40,642	47,923	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	22,655	40,345	57,622	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-9081	Dental Laboratory Technicians	21,676	30,776	36,423	No	No	No	Postsecondary nondegree award	No	No	No
51-9082	Medical Appliance Technicians	25,528	46,056	54,119	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	26,577	32,788	35,611	No	No	No	High school diploma or equivalent	Yes	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	22,516	38,727	49,452	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	19,680	32,783	42,274	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	23,647	36,811	41,960	No	No	No	High school diploma or equivalent	No	No	No
51-9141	Semiconductor Processing Technicians	28,332	41,735	48,930	No	No	No	High school diploma or equivalent	Yes	No	No

Workforce Region 18 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	24,141	41,944	50,267	No	No	No	High school diploma or equivalent	No	No	Yes
51-9161	Computer Numerically Controlled Tool Operators	25,621	39,162	45,702	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	38,809	55,113	63,035	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
51-9191	Adhesive Bonding Machine Operators and Tenders	21,536	34,619	41,954	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	23,891	34,629	39,779	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	21,666	37,074	45,806	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	18,652	26,665	33,142	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	19,578	35,658	41,694	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	25,678	36,735	41,336	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	26,176	37,663	45,727	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	22,434	28,032	30,644	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	22,655	33,076	38,724	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	34,729	63,520	78,849	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	32,731	51,625	62,380	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	97,980	229,261	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	42,438	94,377	153,679	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	69,368	122,400	151,690	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	25,368	46,535	60,287	No	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	30,737	58,121	67,133	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	21,875	29,120	31,605	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,955	25,340	25,907	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	21,967	40,729	49,476	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	21,975	38,035	45,556	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	26,393	33,349	37,740	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	22,947	32,296	37,622	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,806	35,423	47,232	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	53,441	67,103	73,919	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	53,930	67,761	77,132	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	34,689	56,674	67,752	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	53,930	67,761	77,132	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	22,344	42,104	59,339	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	28,911	55,237	72,103	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	23,791	41,066	48,661	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	22,314	80,945	105,554	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	19,939	43,830	55,836	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	32,833	73,240	89,717	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	25,638	39,859	48,940	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	18,887	24,152	27,031	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	20,149	27,743	31,186	No	No	No	No formal educational credential	No	No	No
53-6041	Traffic Technicians	28,060	43,906	52,170	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	52,523	92,291	122,230	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	18,762	24,540	26,456	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	27,119	33,961	37,641	No	No	No	High school diploma or equivalent	Yes	No	No
53-7011	Conveyor Operators and Tenders	19,969	33,901	40,667	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	28,116	52,743	69,398	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	34,070	48,082	55,826	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	26,925	41,475	43,591	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	22,245	35,825	42,934	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	19,184	27,365	32,742	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	22,261	31,716	37,453	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	19,969	32,404	38,731	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,096	23,259	24,877	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	21,562	28,698	32,059	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	35,058	65,077	78,240	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	20,259	40,647	48,421	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	25,029	39,709	48,790	No	No	No	High school diploma or equivalent	No	No	No
53-7081	Refuse and Recyclable Material Collectors	27,191	37,963	43,345	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,969	33,901	40,667	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	22,694	42,523	54,099	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 18 Wages by Detailed Occupation

	Wage Metrics				Number of SOCs by Educational Requirement
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	
0	All Occupations	28,758	47,659	55,456	
1	No formal educational credential	20,733	29,666	33,092	83
2	High school diploma or equivalent	26,419	42,178	49,592	231
3	Some college, no degree	25,070	40,625	47,203	48
4	Postsecondary nondegree award	27,326	40,114	45,865	85
5	Associate's degree	37,738	54,485	64,109	63
6	Bachelor's degree	41,017	78,813	94,789	172
7	Master's degree	49,835	83,018	98,474	39
8	Doctoral or professional degree	69,399	147,603	157,052	63

Wage Summary	Representative Starting Wage		Average Annual Wage		High-Level Wage Threshold	
	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
All Occupations	448	336	457	327	445	339
No formal educational credential	45.8%	54.2%	39.8%	60.2%	34.9%	65.1%
High school diploma or equivalent	63.2%	36.8%	75.8%	24.2%	75.8%	24.2%
Some college, no degree	39.6%	60.4%	29.2%	70.8%	27.1%	72.9%
Postsecondary nondegree award	41.2%	58.8%	27.1%	72.9%	25.9%	74.1%
Associate's degree	66.7%	33.3%	49.2%	50.8%	54.0%	46.0%
Bachelor's degree	52.9%	47.1%	62.2%	37.8%	59.9%	40.1%
Master's degree	69.2%	30.8%	69.2%	30.8%	66.7%	33.3%
Doctoral or professional degree	79.4%	20.6%	74.6%	25.4%	68.3%	31.7%

Workforce Region 19 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	19,120	98,467	135,773	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1021	General and Operations Managers	37,490	75,141	90,930	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	19,171	62,582	110,664	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-2011	Advertising and Promotions Managers	43,530	99,268	115,279	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	28,973	81,489	103,902	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2022	Sales Managers	44,706	108,742	135,211	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	49,441	99,644	116,068	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	46,225	76,431	94,677	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	69,489	100,929	118,239	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	45,558	92,477	119,672	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	38,661	105,958	124,503	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	55,155	105,582	131,020	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	45,635	102,075	114,692	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	59,137	95,590	113,269	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	47,134	86,270	103,072	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	52,293	97,940	119,548	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	33,152	71,273	75,561	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
11-9021	Construction Managers	39,449	75,317	82,875	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	40,692	49,445	54,526	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9032	Education Administrators, Kindergarten through Secondary	38,208	82,993	104,025	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9033	Education Administrators, Postsecondary	42,328	87,858	104,102	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	37,969	71,345	89,132	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9041	Architectural and Engineering Managers	76,754	127,119	150,547	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	30,261	50,759	66,632	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	41,323	78,951	86,827	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	44,201	60,137	62,503	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9111	Medical and Health Services Managers	61,484	127,440	137,853	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	46,526	84,602	104,596	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	64,358	79,283	87,464	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	40,831	50,504	52,899	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9151	Social and Community Service Managers	29,599	62,608	67,063	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9161	Emergency Management Directors	43,395	74,287	89,957	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	37,789	73,489	89,921	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	44,119	84,888	97,307	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes										
13-1020	Buyers and Purchasing Agents	26,986	48,068	58,479	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	34,758	58,877	72,430	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	43,987	61,649	72,287	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	31,365	57,018	68,177	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	27,672	51,874	60,820	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	29,325	48,077	54,451	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	33,152	71,273	75,561	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	16,980	52,841	71,650	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	32,210	61,855	77,920	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1111	Management Analysts	34,203	62,144	91,732	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1121	Meeting, Convention, and Event Planners	22,882	45,153	54,948	No	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	24,846	50,177	62,456	No	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	31,008	51,594	60,348	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	22,558	40,335	48,690	No	No	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	23,777	52,722	61,751	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	24,081	60,840	79,595	No	Yes	Yes	Bachelor's degree	No	No	Yes
13-2011	Accountants and Auditors	41,626	71,839	87,078	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2020	Property Appraisers and Assessors	23,411	49,782	62,088	No	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	40,642	66,672	80,216	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2041	Credit Analysts	41,162	74,475	88,863	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	27,833	92,253	113,386	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	30,999	62,896	79,920	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2061	Financial Examiners	41,314	74,789	90,199	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	29,806	45,082	47,764	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2072	Loan Officers	43,206	62,463	72,600	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	25,411	43,629	50,562	No	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	17,276	42,247	54,778	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	26,883	43,158	48,538	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	38,292	56,646	61,683	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1212	Information Security Analysts	46,508	85,383	108,264	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	65,542	107,609	125,710	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	32,721	44,277	55,097	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	21,507	37,081	45,879	No	No	No	Postsecondary nondegree award	No	No	Yes
15-1241	Computer Network Architects	54,392	97,070	118,140	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	42,628	62,857	75,526	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1245	Database Administrators and Architects	38,323	74,413	80,565	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	41,180	71,820	88,782	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	48,714	89,724	110,453	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	30,156	60,824	75,301	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 19 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	27,979	50,959	50,216	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2011	Actuaries	44,346	104,739	129,164	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians										
15-2031	Operations Research Analysts	32,004	63,362	80,629	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-2041	Statisticians	26,470	64,833	85,481	Yes	Yes	Yes	Master's degree	No	No	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	46,284	83,355	106,246	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	41,880	75,094	91,222	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	38,498	64,833	81,606	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1021	Cartographers and Photogrammetrists	39,422	60,877	72,314	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	23,646	51,156	71,774	No	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	59,882	98,254	117,117	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers										
17-2031	Bioengineers and Biomedical Engineers	55,917	81,741	98,137	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	44,884	87,625	110,803	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	55,151	83,348	98,571	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	57,038	92,038	111,547	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	50,907	98,006	123,966	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	59,586	91,805	107,098	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	37,126	73,507	90,567	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	42,211	74,915	92,899	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	47,952	77,471	92,845	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	43,476	72,036	86,118	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	45,710	86,262	105,134	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	46,059	80,458	100,281	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	65,936	105,968	129,711	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	77,211	97,384	109,995	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	66,367	144,152	177,232	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	46,086	88,361	111,619	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	38,640	53,236	60,785	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	20,980	46,867	58,169	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3013	Mechanical Drafters	31,851	54,464	66,753	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	30,093	49,504	57,074	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	36,525	61,586	79,436	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	27,725	46,660	58,061	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	28,757	54,042	67,327	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	29,770	47,665	55,316	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	24,353	39,224	46,956	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	30,802	49,172	58,384	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	28,156	49,629	63,981	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	32,130	38,264	39,056	Yes	No	No	Associate's degree	Yes	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	33,923	53,666	63,784	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	37,296	58,115	69,569	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	28,793	52,177	65,667	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	28,560	64,815	87,966	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1021	Biochemists and Biophysicists	39,556	71,659	81,606	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	32,479	56,339	68,780	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	29,089	47,629	53,603	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	37,107	66,907	81,442	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1031	Conservation Scientists	30,344	62,402	77,992	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1032	Foresters	41,655	68,062	87,051	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1041	Epidemiologists	29,519	49,540	61,685	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	37,179	78,871	93,572	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	45,225	93,563	117,342	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	76,843	131,119	148,879	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
19-2012	Physicists	76,843	131,119	148,879	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
19-2021	Atmospheric and Space Scientists	53,101	88,791	104,362	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	32,542	58,258	71,596	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	44,552	92,567	120,373	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	34,143	58,616	68,284	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	46,517	81,221	103,187	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	42,077	85,885	100,927	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	42,588	105,098	123,028	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	47,441	84,656	95,482	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	26,470	64,833	85,481	Yes	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	34,901	69,434	79,122	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	26,470	64,833	85,481	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	41,359	87,849	103,654	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists										
19-3051	Urban and Regional Planners	37,628	63,990	77,148	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	29,519	49,540	61,685	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	22,397	52,553	77,175	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	49,037	74,466	87,975	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	17,303	32,721	39,628	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	31,515	46,458	52,561	Yes	Yes	Yes	Bachelor's degree	No	No	No

Workforce Region 19 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
19-4031	Chemical Technicians	28,138	45,719	55,137	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-4042	Environmental Science and Protection Technicians, Including Health	23,465	41,862	47,853	No	Yes	Yes	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	23,608	41,763	50,571	No	Yes	Yes	Associate's degree	No	No	No
19-4051	Nuclear Technicians	63,174	86,378	97,904	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	24,182	48,248	55,944	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	28,003	42,167	50,419	Yes	Yes	Yes	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	30,434	48,948	58,393	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	18,845	43,171	54,329	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	29,715	52,619	65,143	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	24,245	45,073	58,438	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	32,866	50,989	60,667	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	26,873	38,085	44,813	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	19,949	31,654	36,659	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	26,205	48,987	60,267	No	Yes	Yes	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	21,375	32,560	36,273	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	27,146	43,410	55,817	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	28,820	53,913	66,539	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	20,996	34,021	44,765	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	31,313	47,333	59,855	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	29,965	39,622	42,034	Yes	No	No	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	30,738	39,512	43,592	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	20,948	33,443	40,510	No	No	No	Some college, no degree	Yes	Yes	Yes
21-1094	Community Health Workers	23,617	37,664	44,373	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	27,265	46,921	65,040	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-2011	Clergy	31,304	47,616	58,730	Yes	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	22,980	41,987	50,580	No	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	17,608	39,018	51,728	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	53,061	100,919	104,033	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	27,196	46,059	52,105	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	34,847	92,002	112,668	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	22,909	63,936	90,441	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	131,020	168,433	153,651	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	27,195	45,439	56,160	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
23-2093	Title Examiners, Abstractors, and Searchers	51,852	56,402	61,307	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	23,922	51,988	55,540	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	53,370	97,922	115,162	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	41,880	88,657	110,964	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	38,283	74,619	98,478	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	23,788	81,346	101,510	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	48,580	99,295	121,629	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	49,728	93,796	114,166	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	37,978	80,790	98,927	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary										
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	42,830	85,356	105,744	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	46,965	78,987	93,294	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	21,016	67,488	79,220	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	43,799	84,979	107,376	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	52,240	83,499	94,352	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	38,937	72,125	87,607	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	53,370	97,922	115,162	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary										
25-1065	Political Science Teachers, Postsecondary	47,530	84,495	95,195	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	37,673	73,193	87,329	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	38,606	72,879	88,863	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	39,601	75,471	100,129	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	51,549	104,632	111,628	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	51,549	104,632	111,628	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	38,076	61,389	72,852	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary										
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	35,655	80,288	87,419	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	50,410	136,456	180,856	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	33,080	67,057	78,933	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	29,968	88,881	101,663	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	37,314	65,039	76,852	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	28,039	68,860	95,384	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	42,454	77,148	99,429	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	26,156	74,709	85,912	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	40,498	83,992	98,765	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	29,932	60,294	73,121	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	28,461	50,203	59,505	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	20,585	50,123	63,003	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,369	27,851	33,330	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	32,120	51,953	61,999	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	35,230	49,429	57,569	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	34,552	50,132	58,481	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	26,882	52,957	67,641	Yes	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	36,558	51,322	60,674	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	39,144	58,509	66,573	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	28,748	55,792	70,968	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	36,713	57,361	69,273	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	36,794	53,486	62,779	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	37,475	56,563	67,757	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	25,133	46,490	56,518	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	28,479	42,238	52,150	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	19,648	40,513	49,214	No	No	Yes	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	16,944	26,568	27,941	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	18,213	24,080	23,586	No	No	No	Bachelor's degree	No	No	No
25-4011	Archivists	24,514	39,063	45,503	No	No	No	Master's degree	No	No	No
25-4012	Curators	25,958	49,513	56,357	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	20,514	37,009	44,588	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	41,028	51,229	58,585	Yes	Yes	Yes	Master's degree	Yes	No	No
25-4031	Library Technicians	22,891	33,242	36,830	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	19,954	37,633	48,646	No	No	Yes	Master's degree	No	No	No
25-9031	Instructional Coordinators	32,317	49,876	60,681	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	17,168	34,201	44,131	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	18,304	21,131	22,511	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	21,043	44,974	57,388	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	42,059	85,966	92,765	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	16,450	29,403	35,305	No	No	No	Some college, no degree	No	Yes	Yes
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	17,240	42,534	56,949	No	Yes	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	38,283	59,030	70,161	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	27,250	76,870	93,976	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	35,771	60,626	70,789	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	29,053	56,123	64,905	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	19,375	28,533	32,928	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	23,459	36,950	41,013	No	No	No	Bachelor's degree	No	No	No
27-1025	Interior Designers	21,967	47,817	56,742	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	21,150	28,522	30,475	No	No	No	Some college, no degree	Yes	No	No
27-1027	Set and Exhibit Designers	20,280	44,140	54,814	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	28,793	52,661	60,402	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	19,217	39,683	44,142	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	29,501	65,676	77,606	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-2021	Athletes and Sports Competitors	16,791	63,685	74,915	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	23,164	70,705	58,123	No	Yes	Yes	Bachelor's degree	No	Yes	No
27-2023	Umpires, Referees, and Other Sports Officials	16,809	35,278	42,104	No	No	No	Some college, no degree	No	Yes	Yes
27-2031	Dancers	18,060	49,628	72,874	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers										
27-2041	Music Directors and Composers	16,899	59,263	68,923	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	16,997	80,486	112,837	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	16,998	23,348	27,169	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	17,859	53,424	65,649	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	25,833	56,859	65,954	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	24,170	46,866	51,326	No	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	22,092	49,773	58,177	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	30,856	56,186	69,192	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	25,492	61,200	64,035	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	20,917	49,010	62,698	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	17,392	45,880	75,399	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	17,168	40,319	50,177	No	No	Yes	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	24,496	44,750	54,975	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4012	Broadcast Technicians	19,787	41,915	51,172	No	Yes	Yes	Associate's degree	No	No	Yes
27-4014	Sound Engineering Technicians	21,177	50,688	58,222	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	17,213	32,820	36,309	No	No	No	Some college, no degree	No	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	21,007	44,723	55,612	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	28,595	48,418	58,339	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	22,182	72,888	94,630	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	65,057	84,051	98,141	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	49,362	163,533	212,842	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	57,263	210,779	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	80,333	162,280	186,570	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists										
29-1029	Dentists, All Other Specialists	51,369	157,248	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	31,080	59,395	68,005	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	40,561	95,482	120,266	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	99,624	137,908	140,254	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1071	Physician Assistants	57,559	97,608	117,844	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	48,311	119,037	163,231	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	55,649	86,642	103,435	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	66,651	87,483	100,412	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	51,773	76,099	88,298	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	25,330	45,844	54,661	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	44,212	59,525	65,122	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	49,182	82,425	101,946	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	31,869	48,571	59,640	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	28,488	46,212	54,087	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	52,805	101,071	113,027	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	51,182	67,242	77,657	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
29-1151	Nurse Anesthetists	121,844	158,548	163,401	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	19,644	60,572	88,818	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	44,038	103,974	141,227	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	39,664	66,161	74,709	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	122,149	243,474	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	85,060	183,332	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	45,728	188,086	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	111,870	220,269	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	52,769	141,963	176,900	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	42,059	180,766	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	155,825	257,551	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	46,651	219,605	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	48,557	68,150	77,903	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	19,437	60,402	72,816	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	28,012	62,300	80,262	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	23,420	44,445	60,940	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2032	Diagnostic Medical Sonographers	43,055	61,003	70,717	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	51,701	68,376	77,121	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	37,334	55,109	63,941	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	42,301	60,007	70,053	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	22,628	34,976	39,620	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	18,576	26,801	29,008	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	25,405	33,095	38,069	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2053	Psychiatric Technicians	20,379	29,699	33,914	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	29,026	41,897	48,948	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	21,017	26,210	29,256	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	24,568	36,731	43,306	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	32,292	43,461	49,655	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	20,917	38,032	50,553	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	33,313	68,582	81,005	Yes	Yes	Yes	Master's degree	No	Yes	No
29-2092	Hearing Aid Specialists	26,102	56,823	65,640	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	25,885	34,436	38,102	No	No	No	Postsecondary nondegree award	Yes	No	No
29-9091	Athletic Trainers	29,869	43,817	49,755	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	53,361	72,385	83,436	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	32,890	47,585	51,354	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	19,477	24,490	26,393	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	20,967	27,132	30,665	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	19,070	25,411	27,923	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	22,936	26,927	28,703	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	60,011	82,669	96,647	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides										
31-2021	Physical Therapist Assistants	37,850	62,205	75,510	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	18,655	22,910	24,837	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	17,733	36,354	44,893	No	No	No	Postsecondary nondegree award	No	No	Yes
31-9091	Dental Assistants	22,456	40,329	47,987	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
31-9092	Medical Assistants	22,284	32,257	37,602	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	21,671	30,640	35,143	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	18,442	30,407	34,973	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	19,312	29,232	34,928	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	18,926	26,891	31,466	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	26,539	31,761	34,900	Yes	No	No	Postsecondary nondegree award	Yes	No	No
31-9099	Healthcare Support Workers, All Other	20,196	29,893	36,372	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	30,811	42,974	44,319	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	50,774	67,191	75,652	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	44,495	57,613	66,030	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	24,137	43,081	53,334	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	27,322	38,919	46,014	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	39,395	55,558	59,774	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	26,595	31,439	34,345	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-3011	Bailiffs	29,492	41,924	48,571	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,752	36,073	36,215	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	36,042	50,751	57,967	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	19,025	25,528	27,573	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	24,774	38,462	45,109	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	34,707	46,164	51,689	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	40,373	58,160	69,049	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	27,160	33,906	38,366	Yes	No	No	Postsecondary nondegree award	Yes	No	No

Workforce Region 19 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	29,923	44,256	53,935	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	22,451	31,161	35,314	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	21,884	28,704	31,930	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	20,060	24,956	26,791	No	No	No	No formal educational credential	Yes	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	17,419	25,860	28,407	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	32,120	38,094	40,669	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	18,585	31,340	36,031	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	23,565	46,920	57,887	No	Yes	Yes	Associate's degree	No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	21,798	35,629	45,237	No	No	No	High school diploma or equivalent	No	No	Yes
35-2011	Cooks, Fast Food	18,614	21,568	21,742	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	18,915	24,134	28,124	No	No	No	No formal educational credential	No	No	No
35-2013	Cooks, Private Household	18,881	27,053	31,735	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	20,114	29,474	33,694	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	17,643	23,824	27,232	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	19,437	27,402	32,228	No	No	No	No formal educational credential	No	Yes	Yes
35-2021	Food Preparation Workers	18,988	24,094	27,546	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,696	22,643	20,769	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,630	21,519	22,854	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,733	26,347	30,084	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	19,410	22,281	23,806	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	16,836	20,810	22,227	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	18,751	22,447	24,082	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	16,899	21,240	23,070	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	16,971	24,667	27,573	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	26,529	38,837	44,609	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	25,402	52,475	64,259	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,502	27,658	30,272	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,178	23,607	24,685	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	19,357	32,739	47,306	No	No	Yes	No formal educational credential	No	Yes	Yes
37-2021	Pest Control Workers	23,149	32,410	33,131	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	20,850	30,251	36,249	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21,373	30,048	36,003	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	19,940	32,399	40,776	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	23,483	32,147	35,556	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	32,739	50,266	59,299	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	24,759	36,469	40,243	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	19,617	35,672	41,009	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	20,779	27,275	29,399	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	16,531	22,505	25,393	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	17,670	24,712	27,905	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	18,065	31,089	32,112	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	17,105	26,837	29,412	No	No	No	No formal educational credential	No	No	No
39-3031	Ushers, Lobby Attendants, and Ticket Takers	17,096	22,855	25,375	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	19,227	23,923	24,383	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	23,492	50,499	65,802	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	17,455	24,810	28,281	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	16,998	23,348	27,169	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	30,407	51,056	52,024	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
39-4021	Funeral Attendants	19,105	26,882	28,407	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	28,407	49,235	54,993	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
39-5011	Barbers	19,653	28,533	33,950	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	18,551	24,213	25,915	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	32,659	63,389	73,139	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	18,191	24,254	26,712	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	17,276	23,617	27,250	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	18,899	32,372	37,377	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	16,890	22,397	25,555	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	18,890	26,021	28,891	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	19,796	29,349	32,183	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	18,283	21,384	23,104	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	17,204	34,506	43,718	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	19,797	30,242	34,835	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	21,440	25,179	25,564	No	No	No	Some college, no degree	Yes	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	16,899	25,312	28,021	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	27,215	38,265	42,157	Yes	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	42,972	63,665	72,598	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,306	23,748	25,727	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	17,033	25,671	31,735	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	21,022	31,014	36,046	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	19,868	33,911	37,295	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,240	27,025	29,101	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	19,859	50,777	65,730	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	19,076	47,417	55,350	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	34,541	57,758	60,559	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	17,930	36,247	44,570	No	No	No	Some college, no degree	No	Yes	Yes

Workforce Region 19 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	28,869	58,871	76,007	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	24,961	63,052	94,558	No	Yes	Yes	Bachelor's degree	No	No	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	25,344	70,309	99,188	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	18,567	35,197	44,265	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models										
41-9021	Real Estate Brokers	23,985	59,936	62,393	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	17,930	54,823	63,380	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	50,329	100,165	129,352	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	17,661	24,945	27,438	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	16,863	24,729	26,864	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	18,253	32,390	34,928	No	No	No	Some college, no degree	No	Yes	Yes
43-1011	First-Line Supervisors of Office and Administrative Support Workers	28,203	48,172	59,674	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	21,139	26,558	30,133	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	21,644	28,174	29,268	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	26,488	36,659	43,342	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	23,868	33,645	36,839	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	25,940	32,469	36,848	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	21,627	35,089	41,149	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	17,796	25,079	28,344	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	23,024	40,789	52,543	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	25,882	32,613	37,542	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	24,789	33,476	38,319	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	27,483	42,014	49,118	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	31,708	48,714	58,195	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks										
43-4031	Court, Municipal, and License Clerks	27,184	38,134	43,584	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	25,528	38,857	44,579	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	21,455	30,549	35,470	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	24,057	32,515	38,785	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	22,646	30,138	34,862	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	18,674	21,546	23,187	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	18,672	26,346	29,887	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	21,040	25,114	26,336	No	No	No	Some college, no degree	Yes	No	No
43-4131	Loan Interviewers and Clerks	26,670	39,610	49,659	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	26,721	36,507	41,521	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	20,720	31,502	35,708	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	32,915	42,486	48,619	Yes	Yes	Yes	Associate's degree	Yes	No	No
43-4171	Receptionists and Information Clerks	20,699	27,933	31,634	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	21,294	37,789	52,266	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
43-4199	Information and Record Clerks, All Other	26,245	37,687	46,756	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5011	Cargo and Freight Agents	24,317	39,933	46,050	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-5021	Couriers and Messengers	18,998	29,026	33,735	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	27,157	34,029	38,570	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	26,156	34,123	37,714	No	No	No	High school diploma or equivalent	Yes	No	No
43-5041	Meter Readers, Utilities	24,037	30,755	35,195	No	No	No	High school diploma or equivalent	No	No	No
43-5051	Postal Service Clerks	37,761	51,120	62,988	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,607	52,337	66,022	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	30,892	46,293	56,491	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	22,982	38,896	47,243	No	No	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	25,277	36,847	45,227	No	No	No	High school diploma or equivalent	Yes	No	Yes
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	23,797	32,910	37,359	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	31,650	40,739	47,150	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	30,460	35,299	38,932	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	21,984	32,902	38,367	No	No	No	Some college, no degree	Yes	Yes	Yes
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	20,697	32,431	38,545	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	21,145	28,443	32,484	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	20,305	22,598	24,194	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	25,806	47,468	51,872	No	Yes	Yes	Associate's degree	No	Yes	Yes
43-9041	Insurance Claims and Policy Processing Clerks	24,819	37,736	42,669	No	No	No	High school diploma or equivalent	Yes	Yes	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	18,460	28,380	33,403	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	19,475	32,770	38,058	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	19,530	30,059	36,885	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers										
43-9111	Statistical Assistants										
43-9199	Office and Administrative Support Workers, All Other	21,168	37,466	44,337	No	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	34,495	50,903	58,265	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	26,821	36,776	47,580	Yes	No	Yes	Bachelor's degree	No	No	No
45-2021	Animal Breeders	19,617	35,672	41,009	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	22,998	30,407	34,139	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	28,609	34,318	38,020	Yes	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	19,386	27,282	31,365	No	No	No	No formal educational credential	No	Yes	Yes
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	18,600	23,096	26,299	No	No	No	No formal educational credential	No	No	No

Workforce Region 19 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	17,634	26,012	26,281	No	No	No	No formal educational credential	No	No	No
45-3031	Fishing and Hunting Workers	18,818	28,918	37,063	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	32,506	37,117	40,328	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	24,595	33,690	36,946	No	No	No	High school diploma or equivalent	No	No	No
45-4022	Logging Equipment Operators	16,854	32,515	41,404	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	20,711	29,896	34,811	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	17,697	42,507	53,540	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	33,913	56,106	63,895	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	31,457	46,553	54,625	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	26,362	38,381	44,741	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2022	Stonemasons	29,519	35,475	39,090	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	28,199	39,650	46,813	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	16,791	29,250	37,736	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	21,545	35,879	46,732	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	23,465	32,112	36,677	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	23,545	35,233	40,983	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	18,786	29,762	36,312	No	No	No	No formal educational credential	No	Yes	Yes
47-2053	Terrazzo Workers and Finishers	30,515	40,175	45,180	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	21,127	32,859	37,622	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	23,985	33,690	36,273	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	30,201	45,432	54,123	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	26,186	35,705	39,245	No	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	20,837	33,511	40,911	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	16,962	36,883	45,198	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	29,866	43,726	47,561	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	24,398	37,906	45,611	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	24,622	35,332	41,539	No	No	No	High school diploma or equivalent	No	No	No
47-2132	Insulation Workers, Mechanical	26,245	35,780	41,386	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	18,449	26,061	32,874	No	No	No	No formal educational credential	No	No	Yes
47-2142	Paperhangers	29,618	42,947	54,975	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	23,206	32,456	37,501	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	25,151	38,026	40,197	No	No	No	Postsecondary nondegree award	Yes	Yes	No
47-2161	Plasterers and Stucco Masons	20,505	33,888	41,000	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	28,371	40,785	46,903	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	28,081	38,002	44,541	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	27,819	36,651	41,315	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2221	Structural Iron and Steel Workers	24,541	39,619	46,813	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2231	Solar Photovoltaic Installers	22,882	32,390	36,229	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	19,922	27,358	32,040	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	20,065	29,134	34,076	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	26,216	29,694	31,392	No	No	No	High school diploma or equivalent	Yes	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	18,567	25,321	29,501	No	No	No	No formal educational credential	No	No	No
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	20,944	28,066	31,511	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	22,155	30,676	35,116	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	20,684	28,335	32,596	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	41,063	59,255	73,608	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	37,161	69,659	87,706	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	23,079	34,524	42,409	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	24,236	35,699	42,337	No	No	No	High school diploma or equivalent	No	No	No
47-4051	Highway Maintenance Workers	25,929	31,229	36,530	No	No	No	High school diploma or equivalent	Yes	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	30,721	43,189	49,522	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	23,133	34,327	37,063	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	24,541	34,901	39,485	No	No	No	High school diploma or equivalent	No	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	30,829	40,606	45,961	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	22,370	48,625	62,851	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	23,501	37,000	42,893	No	No	No	High school diploma or equivalent	No	No	No
47-5041	Continuous Mining Machine Operators	32,560	51,818	61,819	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining										
47-5051	Rock Splitters, Quarry	27,510	33,636	35,699	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	30,829	40,606	45,961	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	21,258	30,766	35,977	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	23,734	41,135	47,826	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	31,995	50,939	65,326	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	32,975	51,517	60,264	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	22,254	35,296	42,669	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	28,120	51,800	66,080	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	42,857	60,398	69,807	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	30,560	52,841	64,205	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	25,393	38,902	46,033	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	30,336	49,405	62,232	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	31,475	49,235	57,998	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	38,085	64,402	81,786	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	22,909	34,130	40,722	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	21,769	39,467	50,096	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	25,447	40,570	49,163	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	30,811	61,102	79,507	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	32,578	38,338	43,139	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-3022	Automotive Glass Installers and Repairers	19,626	33,636	38,785	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	22,277	38,776	46,022	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	32,783	45,070	53,079	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	36,056	53,361	63,427	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	30,774	42,519	49,439	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	32,811	50,320	57,074	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	25,357	44,938	56,787	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	23,016	33,080	38,937	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	26,030	34,641	41,766	No	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	20,047	26,990	30,703	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	24,550	43,081	54,410	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
49-3093	Tire Repairers and Changers	18,917	28,138	33,260	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	21,823	36,166	42,543	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	32,020	55,410	66,602	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	27,876	38,177	41,464	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9031	Home Appliance Repairers	23,752	36,381	43,494	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	36,947	53,652	61,519	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	22,496	35,690	43,853	No	No	No	High school diploma or equivalent	No	No	Yes
49-9044	Millwrights	28,847	45,010	55,505	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	30,506	53,459	69,506	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	27,376	41,279	46,921	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	17,446	37,260	49,324	No	No	Yes	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	24,631	46,158	57,747	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-9063	Musical Instrument Repairers and Tuners	21,303	31,681	36,112	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers										
49-9069	Precision Instrument and Equipment Repairers, All Other										
49-9071	Maintenance and Repair Workers, General	21,659	34,188	39,576	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	40,400	66,152	80,369	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	17,536	27,663	33,448	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	30,443	45,171	45,880	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	23,510	36,839	45,333	No	No	No	High school diploma or equivalent	No	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	19,159	26,371	28,820	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	29,250	44,158	53,459	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	35,619	59,487	71,614	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	21,124	29,864	35,557	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	25,852	39,659	46,875	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-1011	First-Line Supervisors of Production and Operating Workers	31,791	56,148	62,731	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	17,285	37,063	47,889	No	No	Yes	Postsecondary nondegree award	No	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	16,836	32,156	44,866	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	19,392	29,717	33,941	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers										
51-2041	Structural Metal Fabricators and Fitters	23,061	32,757	37,457	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	23,321	32,309	35,968	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	27,365	35,763	39,823	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-3011	Bakers	18,881	27,053	31,735	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	19,760	31,699	37,368	No	No	No	No formal educational credential	No	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	19,518	27,959	33,197	No	No	No	No formal educational credential	No	Yes	Yes
51-3023	Slaughterers and Meat Packers	20,110	25,680	28,192	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	22,998	30,407	34,139	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	17,787	27,295	31,546	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	17,473	25,214	29,277	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	19,016	24,550	27,537	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	23,160	31,968	36,300	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	23,743	32,067	35,484	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	23,904	32,892	38,471	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	19,688	29,304	34,121	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30,075	49,468	60,402	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	19,913	29,421	34,273	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic										
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic										

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	24,720	39,072	46,705	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders										
51-4052	Pourers and Casters, Metal										
51-4061	Model Makers, Metal and Plastic										
51-4062	Patternmakers, Metal and Plastic										
51-4071	Foundry Mold and Coremakers										
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	19,034	30,147	35,412	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,989	32,542	35,726	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	26,846	47,853	56,500	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	27,086	39,301	44,868	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	22,648	31,995	36,740	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic										
51-4192	Layout Workers, Metal and Plastic										
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic										
51-4194	Tool Grinders, Filers, and Sharpeners										
51-4199	Metal Workers and Plastic Workers, All Other	19,114	30,748	34,955	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	20,505	34,740	41,476	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	18,866	28,996	31,185	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	18,818	28,604	34,471	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,421	22,089	24,169	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	17,177	21,949	24,918	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	17,240	25,115	28,434	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	17,769	27,806	33,466	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	17,105	26,784	32,318	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	19,016	25,600	30,497	No	No	No	No formal educational credential	No	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	17,966	26,658	31,161	No	No	No	No formal educational credential	No	No	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	23,142	27,905	31,735	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	18,998	28,156	33,044	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders										
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	18,908	40,588	63,183	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	34,192	61,819	73,650	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	16,890	26,559	28,255	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	21,635	35,000	41,557	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	16,782	24,720	30,201	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	21,316	32,744	39,080	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	17,859	33,116	41,045	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	19,518	27,609	30,703	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	19,052	29,546	35,098	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	20,487	36,632	50,993	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators										
51-8012	Power Distributors and Dispatchers	45,602	72,995	91,509	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	43,527	85,371	101,792	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	35,027	52,293	59,021	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	26,655	38,455	45,376	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	28,586	46,616	56,742	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
51-8092	Gas Plant Operators	29,690	43,019	51,674	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	27,268	46,015	53,558	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	35,152	53,737	57,559	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	24,003	40,112	50,733	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	22,137	34,426	41,467	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	21,438	32,318	37,233	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	20,684	30,102	34,112	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	23,971	37,470	44,751	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9031	Cutters and Trimmers, Hand	18,836	31,798	37,897	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	21,025	31,295	36,749	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	21,393	30,488	34,632	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	20,648	29,564	34,031	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	23,148	37,611	41,386	No	No	No	Postsecondary nondegree award	No	Yes	No
51-9071	Jewelers and Precious Stone and Metal Workers	21,931	40,579	51,764	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	19,841	38,005	46,463	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	22,944	41,395	48,643	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	19,796	30,748	34,704	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	18,537	21,326	20,285	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	17,688	29,465	37,996	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	23,590	35,897	40,929	No	No	No	High school diploma or equivalent	No	No	No
51-9141	Semiconductor Processing Technicians										

Workforce Region 19 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	21,698	37,700	45,180	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9161	Computer Numerically Controlled Tool Operators	23,743	35,628	42,265	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	31,842	48,831	57,298	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders										
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	21,473	31,125	35,753	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	19,473	33,322	41,171	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	16,764	23,967	29,788	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	21,482	30,452	34,542	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	23,079	33,017	37,152	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders										
51-9198	Helpers--Production Workers	18,101	26,156	29,286	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	21,098	28,638	32,485	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	31,215	57,092	70,870	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	33,187	52,774	66,316	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	88,065	206,061	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	38,686	113,413	142,035	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	62,348	110,013	136,339	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	22,801	41,826	54,186	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	27,627	52,240	60,339	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	19,662	26,174	28,407	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,999	23,557	25,361	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	23,046	40,485	48,982	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	18,317	28,168	27,954	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	21,626	33,000	38,301	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19,203	27,902	32,477	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	18,029	27,492	32,892	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	48,033	60,312	66,439	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	48,472	60,904	69,327	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers										
53-4031	Railroad Conductors and Yardmasters	48,472	60,904	69,327	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	20,083	37,843	53,334	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-4099	Rail Transportation Workers, All Other										
53-5011	Sailors and Marine Oilers	21,384	36,910	43,736	No	No	No	High school diploma or equivalent	No	No	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	20,056	72,753	94,873	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators										
53-5031	Ship Engineers	29,510	65,829	80,638	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	23,043	35,825	43,987	No	No	No	High school diploma or equivalent	No	No	Yes
53-6021	Parking Attendants	17,096	22,155	25,447	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	21,262	25,999	28,240	No	No	No	No formal educational credential	Yes	No	No
53-6041	Traffic Technicians	25,842	42,938	49,836	No	Yes	Yes	Associate's degree	No	No	No
53-6051	Transportation Inspectors	47,208	82,952	109,861	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	16,863	22,056	23,779	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	20,227	29,779	34,892	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	17,948	30,470	36,552	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	32,112	54,769	66,573	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	30,623	43,216	50,177	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators										
53-7051	Industrial Truck and Tractor Operators	31,484	44,332	50,314	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	19,976	26,825	30,600	No	No	No	No formal educational credential	Yes	No	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	20,927	30,465	36,165	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	17,948	29,125	34,811	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,687	23,035	24,791	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	18,585	26,120	29,806	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	18,208	36,534	43,521	No	No	No	High school diploma or equivalent	No	No	Yes
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	23,303	38,323	47,031	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	17,948	30,470	36,552	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	20,397	38,220	48,625	No	No	Yes	No formal educational credential	Yes	Yes	Yes

Workforce Region 19 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	26,346	40,761	47,233	
1	No formal educational credential	19,878	26,911	30,103	80
2	High school diploma or equivalent	24,672	37,348	43,480	207
3	Some college, no degree	20,059	28,715	32,794	47
4	Postsecondary nondegree award	24,321	37,470	43,954	80
5	Associate's degree	29,565	43,122	50,852	63
6	Bachelor's degree	37,039	63,898	76,602	168
7	Master's degree	38,339	67,915	83,099	37
8	Doctoral or professional degree	72,557	131,578	136,326	59

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	446	295	398	343	376	365
No formal educational credential	56.3%	43.8%	43.8%	56.3%	37.5%	62.5%
High school diploma or equivalent	73.4%	26.6%	73.9%	26.1%	70.5%	29.5%
Some college, no degree	25.5%	74.5%	10.6%	89.4%	10.6%	89.4%
Postsecondary nondegree award	45.0%	55.0%	33.8%	66.3%	35.0%	65.0%
Associate's degree	50.8%	49.2%	25.4%	74.6%	23.8%	76.2%
Bachelor's degree	55.4%	44.6%	56.5%	43.5%	53.6%	46.4%
Master's degree	70.3%	29.7%	62.2%	37.8%	56.8%	43.2%
Doctoral or professional degree	84.7%	15.3%	74.6%	25.4%	69.5%	30.5%

Workforce Region 20 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	45,375	139,976	174,524	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1021	General and Operations Managers	41,128	96,205	117,416	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	24,700	68,033	80,808	No	Yes	Yes	Bachelor's degree	No	No	No
11-2011	Advertising and Promotions Managers	46,260	105,493	122,508	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	56,426	154,098	160,913	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	59,105	117,368	148,737	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	50,495	109,918	143,580	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	39,939	91,800	109,674	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	55,113	113,584	132,252	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	45,450	117,940	148,108	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	56,428	116,734	130,669	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	51,518	95,826	128,731	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	45,484	91,713	121,353	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	62,846	101,585	120,373	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	49,577	94,245	112,660	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	69,986	120,342	144,019	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	35,231	75,743	80,299	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
11-9021	Construction Managers	57,922	117,117	136,612	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	32,103	40,829	45,297	Yes	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	48,708	92,047	108,448	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	53,919	90,127	103,138	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	45,572	81,515	99,244	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9041	Architectural and Engineering Managers	95,277	132,393	156,661	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	26,211	50,458	62,910	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	43,915	83,902	92,272	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	38,690	71,470	79,438	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	61,741	108,366	118,188	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	68,355	120,675	154,475	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	72,037	88,118	97,193	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	32,551	70,214	75,388	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	41,443	69,496	84,636	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9161	Emergency Management Directors	49,906	83,021	101,327	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	40,159	78,097	95,560	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	37,759	88,449	114,525	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	32,524	81,558	98,077	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	34,034	56,277	63,106	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	30,775	81,184	105,591	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	46,746	65,515	76,820	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	34,850	69,915	96,632	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1051	Cost Estimators	36,262	61,800	78,135	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	33,341	52,808	61,186	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	35,231	75,743	80,299	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	18,044	56,154	76,143	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	29,062	54,656	70,784	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	40,598	78,783	97,922	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	35,177	64,227	90,075	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1131	Fundraisers	32,515	54,527	62,520	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	34,096	51,703	63,583	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	24,092	55,603	65,500	No	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	27,408	48,849	55,458	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	26,284	56,800	69,549	No	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	43,603	80,430	94,367	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2020	Property Appraisers and Assessors	21,586	44,463	65,555	No	No	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	39,031	60,456	71,661	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2041	Credit Analysts	45,367	96,292	138,876	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	27,244	98,213	105,281	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	37,851	56,369	67,641	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	43,905	79,479	95,856	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	31,676	47,909	50,759	Yes	Yes	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	26,874	63,823	86,448	No	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,322	50,625	74,990	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	21,225	44,643	73,882	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	34,555	68,296	70,645	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	42,029	64,484	78,970	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1212	Information Security Analysts	44,624	98,305	140,718	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	69,652	114,358	133,594	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	45,095	79,713	77,672	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	27,721	50,673	63,426	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	42,773	96,352	134,258	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	44,515	70,670	82,290	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1245	Database Administrators and Architects	40,026	85,838	112,789	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	32,880	70,494	91,542	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	31,757	79,045	106,496	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	26,991	49,014	65,872	No	Yes	Yes	Associate's degree	No	No	Yes

Workforce Region 20 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	30,896	63,625	80,803	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2011	Actuaries	47,127	111,307	137,264	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	67,135	100,641	113,814	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	33,364	63,655	85,470	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2041	Statisticians	28,130	68,899	90,842	No	Yes	Yes	Master's degree	No	No	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	49,186	88,583	112,909	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	44,506	79,804	96,942	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	26,431	60,336	89,567	No	Yes	Yes	Bachelor's degree	No	No	Yes
17-1021	Cartographers and Photogrammetrists	46,435	64,492	72,835	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	36,780	64,993	86,581	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	63,570	125,545	142,591	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	41,684	76,896	95,084	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	59,424	86,867	104,292	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	47,699	93,120	117,751	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	48,575	83,071	99,583	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	60,615	97,810	118,542	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	57,903	95,578	118,739	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	70,175	86,793	97,795	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	39,454	78,116	96,247	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	57,811	93,958	122,718	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	30,213	74,787	97,873	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2121	Marine Engineers and Naval Architects	57,523	88,718	100,517	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	48,576	91,671	111,727	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	54,056	80,435	96,592	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	70,071	112,613	137,845	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	82,053	103,491	116,893	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	70,529	153,192	188,347	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	46,220	75,137	91,954	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	35,244	53,396	62,955	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	22,296	49,806	61,816	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3013	Mechanical Drafters	35,790	56,103	67,809	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	31,981	52,608	60,653	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	38,815	65,448	84,417	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	28,888	42,101	48,411	Yes	No	No	Associate's degree	No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	33,111	52,948	65,560	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	31,637	50,654	58,785	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	25,880	41,684	49,901	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	44,802	66,005	77,414	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	29,722	44,949	55,547	Yes	No	Yes	Associate's degree	No	No	No
17-3031	Surveying and Mapping Technicians	32,213	50,327	57,978	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	34,271	48,860	58,849	Yes	Yes	Yes	Associate's degree	Yes	No	Yes
19-1011	Animal Scientists	39,635	61,759	73,932	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	30,598	55,449	69,785	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	30,351	68,880	93,482	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1021	Biochemists and Biophysicists	42,037	76,153	86,724	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	34,516	59,872	73,093	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	30,913	50,616	56,964	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	39,186	79,370	88,648	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1031	Conservation Scientists	45,011	116,547	153,108	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1032	Foresters	44,268	72,330	92,510	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1041	Epidemiologists	31,370	52,646	65,553	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	58,209	97,539	124,148	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	48,061	99,430	124,700	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	81,662	139,342	158,215	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
19-2012	Physicists	81,662	139,342	158,215	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
19-2021	Atmospheric and Space Scientists	56,431	94,359	110,907	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	33,679	80,599	101,155	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-2032	Materials Scientists	47,346	98,372	127,922	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	34,373	48,988	53,268	Yes	Yes	No	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	49,434	86,314	109,658	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	44,716	91,271	107,256	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	45,259	111,689	130,744	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	50,416	89,965	101,470	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	28,130	68,899	90,842	No	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	40,750	68,505	82,257	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	28,130	68,899	90,842	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	43,953	93,358	110,154	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	50,559	72,216	87,601	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	37,421	62,688	76,469	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	31,370	52,646	65,553	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	23,802	55,849	82,015	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	52,113	79,136	93,492	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	18,388	34,773	42,113	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	27,774	49,479	60,504	No	Yes	Yes	Bachelor's degree	No	No	No

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
19-4031	Chemical Technicians	29,903	48,586	58,594	Yes	Yes	Yes	Associate's degree	No	No	Yes
19-4042	Environmental Science and Protection Technicians, Including Health	24,662	41,110	44,931	No	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	25,089	44,382	53,743	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	67,135	91,795	104,044	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	25,699	51,274	59,452	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	29,760	44,811	53,580	Yes	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	35,157	52,339	61,153	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	25,467	46,966	58,707	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	34,148	63,147	79,313	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	25,766	47,899	62,102	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	32,662	56,281	70,748	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	28,261	45,713	58,234	Yes	No	Yes	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	22,262	40,659	48,785	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	28,901	55,596	71,150	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	18,443	26,667	33,297	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	29,493	43,874	50,906	Yes	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	29,006	52,949	64,014	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	25,579	39,152	48,766	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	26,109	38,059	41,932	No	No	No	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	35,530	50,020	52,672	Yes	Yes	No	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	32,619	40,769	46,091	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	25,219	39,495	43,514	No	No	No	Some college, no degree	Yes	Yes	No
21-1094	Community Health Workers	32,839	43,411	51,221	Yes	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	34,093	49,574	57,893	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-2011	Clergy	25,124	56,305	66,586	No	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	32,469	44,378	54,874	Yes	No	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	19,004	27,494	34,123	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	63,411	132,976	159,273	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
23-1012	Judicial Law Clerks	28,902	48,948	55,373	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	37,033	97,772	119,734	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	24,345	67,946	96,113	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	139,237	178,996	163,287	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	33,350	47,695	54,143	Yes	Yes	Yes	Associate's degree	Yes	No	No
23-2093	Title Examiners, Abstractors, and Searchers	38,440	49,896	56,547	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	25,708	49,879	55,922	No	Yes	Yes	Associate's degree	No	Yes	No
25-1011	Business Teachers, Postsecondary	56,717	104,063	122,384	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	44,506	94,216	117,923	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	40,683	79,298	104,654	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	25,279	86,448	107,876	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	51,626	105,521	129,257	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	52,847	99,678	121,326	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	40,359	85,857	105,131	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	65,810	107,857	126,855	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	45,516	90,708	112,375	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	49,911	83,941	99,144	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	22,334	71,720	84,188	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	46,546	90,308	114,110	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	55,516	88,735	100,269	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	41,379	76,648	93,101	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	56,717	104,063	122,384	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	50,063	83,330	98,153	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	50,511	89,793	101,165	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	40,035	77,783	92,805	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	41,027	77,449	94,436	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	42,085	80,204	106,408	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	56,304	124,373	126,430	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	54,782	111,193	118,628	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	40,464	65,238	77,421	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	41,837	67,688	79,775	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	37,890	85,323	92,901	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	53,571	145,013	192,198	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1113	Social Work Teachers, Postsecondary	35,155	71,263	83,883	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	31,847	94,455	108,038	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	39,654	69,118	81,672	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	29,798	73,179	101,365	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	45,116	81,986	105,664	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	27,796	79,394	91,299	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	43,038	89,260	104,959	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	31,809	64,075	77,706	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	27,364	47,700	58,952	No	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	44,907	70,242	88,507	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,381	26,904	27,648	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	47,887	64,387	73,814	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2021	Elementary School Teachers, Except Special Education	40,783	62,142	74,878	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	46,158	64,613	73,964	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	28,568	56,278	71,882	Yes	Yes	Yes	Bachelor's degree	No	No	No

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	43,496	65,232	76,251	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	41,599	62,179	70,748	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	30,551	59,290	75,419	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	42,798	59,920	71,658	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2057	Special Education Teachers, Middle School	39,101	56,841	66,716	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	55,185	67,556	75,764	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	26,709	49,405	60,062	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	40,859	54,478	61,687	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-3021	Self-Enrichment Teachers	19,679	39,949	49,560	No	No	No	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	18,006	28,234	29,693	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	18,956	30,381	34,986	No	No	No	Bachelor's degree	No	No	No
25-4011	Archivists	26,052	41,513	48,357	No	No	No	Master's degree	No	No	No
25-4012	Curators	27,586	52,618	59,891	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	21,800	39,330	47,385	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	42,416	59,921	70,000	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	26,445	38,050	44,893	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	19,122	37,619	46,770	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	36,214	64,086	77,441	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	18,245	36,346	46,898	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	20,695	29,590	33,705	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	22,363	47,794	60,987	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	44,696	91,357	98,582	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	17,482	31,247	37,519	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,321	45,202	60,520	No	No	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	40,683	62,731	74,561	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	28,959	81,691	99,869	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	38,014	64,428	75,228	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	30,875	59,643	68,975	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	22,528	29,613	32,671	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	29,800	42,384	48,385	Yes	No	No	Bachelor's degree	No	No	No
27-1025	Interior Designers	23,344	50,816	60,301	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	22,264	31,341	36,449	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	21,552	46,908	58,251	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	30,598	55,964	64,190	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	20,422	42,172	46,911	No	No	No	Some college, no degree	No	Yes	No
27-2012	Producers and Directors	37,616	72,014	94,509	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
27-2021	Athletes and Sports Competitors	27,892	42,786	50,268	No	No	No	Some college, no degree	Yes	Yes	Yes
27-2022	Coaches and Scouts	19,163	43,541	56,839	No	No	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	17,863	37,490	44,744	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	19,193	52,740	77,444	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	17,606	37,109	56,354	No	No	Yes	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	17,959	62,979	73,245	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,845	44,450	50,315	No	No	No	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,064	24,812	28,873	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,979	56,774	69,766	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	27,453	60,425	70,090	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	33,515	56,526	65,858	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	19,270	59,625	66,001	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	27,945	47,165	55,669	No	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	30,210	81,043	91,396	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-3091	Interpreters and Translators	27,797	51,409	70,596	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,483	48,757	80,128	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	18,245	42,847	53,323	No	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	25,105	44,836	56,778	No	No	Yes	Associate's degree	No	No	No
27-4012	Broadcast Technicians	21,028	44,544	54,381	No	No	Yes	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	22,506	53,866	61,874	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	19,385	34,458	43,192	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	22,324	47,528	59,100	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	30,389	51,455	61,997	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	23,573	77,459	100,565	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	33,201	80,785	91,404	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	113,187	166,549	172,323	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	60,854	223,997	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	85,370	172,457	198,270	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	76,515	204,818	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1029	Dentists, All Other Specialists	54,591	167,109	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	31,794	58,934	72,423	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	30,258	96,968	133,855	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	107,657	126,856	144,804	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1071	Physician Assistants	90,517	121,915	134,516	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	50,601	137,043	164,470	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	65,763	90,092	102,976	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	55,925	94,310	116,283	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	55,020	80,871	93,835	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 20 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
29-1125	Recreational Therapists	28,668	44,734	51,087	Yes	No	No	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	45,246	60,748	68,618	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	55,786	78,701	93,252	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	33,868	51,617	63,380	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	46,811	57,268	62,453	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1131	Veterinarians	66,945	117,923	127,679	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	44,325	67,103	79,466	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	129,485	168,491	173,648	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,876	64,371	94,388	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	67,814	106,417	126,296	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	42,151	70,310	79,394	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	129,809	258,742	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	131,978	240,098	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	48,595	301,295	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	118,886	234,082	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	56,078	150,866	187,994	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1223	Psychiatrists	49,415	264,934	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	124,924	250,745	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	49,577	291,377	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	55,418	68,956	77,558	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	20,656	64,190	77,382	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	27,314	48,768	62,670	No	Yes	Yes	Associate's degree	No	No	Yes
29-2031	Cardiovascular Technologists and Technicians	26,345	52,603	68,773	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2032	Diagnostic Medical Sonographers	19,086	58,288	76,007	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2033	Nuclear Medicine Technologists	35,992	64,391	79,287	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	33,849	46,184	54,924	Yes	No	Yes	Associate's degree	Yes	No	No
29-2035	Magnetic Resonance Imaging Technologists	54,169	67,989	77,307	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	28,086	40,349	42,622	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2051	Dietetic Technicians	20,764	26,638	29,582	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	25,220	33,873	38,578	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	23,352	32,342	35,270	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	24,586	41,774	49,664	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-2056	Veterinary Technologists and Technicians	24,810	34,476	40,138	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	26,109	39,034	46,021	No	No	No	Postsecondary nondegree award	No	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	36,819	49,035	56,698	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	25,517	43,627	57,681	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	35,403	72,883	86,085	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	27,739	60,386	69,757	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	27,084	39,099	44,528	No	No	No	Postsecondary nondegree award	No	No	No
29-9091	Athletic Trainers	32,454	49,514	64,132	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	56,707	76,925	88,669	Yes	Yes	Yes	Master's degree	Yes	Yes	No
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	28,633	43,625	50,695	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	20,228	25,701	28,720	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,877	28,479	31,749	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	20,265	27,005	29,674	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	27,622	30,829	32,541	No	No	No	High school diploma or equivalent	Yes	No	No
31-2011	Occupational Therapy Assistants	53,784	65,992	75,450	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	18,578	27,024	30,741	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	35,460	60,941	71,516	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	18,578	27,024	30,741	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	23,121	74,630	116,996	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	33,370	43,385	49,445	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
31-9092	Medical Assistants	25,473	33,442	38,340	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	24,224	31,731	35,807	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	28,927	50,372	42,432	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	No
31-9095	Pharmacy Aides	18,980	22,390	26,537	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	23,893	37,093	44,822	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	28,895	36,432	40,128	Yes	No	No	Postsecondary nondegree award	Yes	No	No
31-9099	Healthcare Support Workers, All Other	22,902	46,366	53,513	No	Yes	No	High school diploma or equivalent	No	Yes	Yes
33-1011	First-Line Supervisors of Correctional Officers	32,743	45,669	47,099	Yes	No	No	Some college, no degree	Yes	Yes	No
33-1012	First-Line Supervisors of Police and Detectives	38,795	65,814	82,426	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	51,130	82,128	99,866	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	30,245	49,249	60,298	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	31,837	53,192	70,042	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	40,927	60,936	76,817	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	28,263	33,410	36,499	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	31,342	44,554	51,617	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	31,971	39,150	42,083	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	39,678	88,059	137,672	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	20,218	27,129	29,302	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	26,328	40,874	47,937	No	No	No	High school diploma or equivalent	Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	37,238	52,147	56,080	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
33-3052	Transit and Railroad Police	42,904	61,807	73,379	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	29,673	42,105	48,381	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No

Workforce Region 20 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	32,201	61,457	77,010	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	23,859	33,115	37,528	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	21,804	31,392	36,204	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	23,193	29,744	31,264	No	No	No	No formal educational credential	Yes	Yes	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	21,759	32,690	39,210	No	No	No	No formal educational credential	Yes	Yes	Yes
33-9093	Transportation Security Screeners	34,135	40,483	43,219	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	20,323	31,674	37,578	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	37,771	58,999	64,933	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	23,462	39,425	48,879	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,532	21,928	23,497	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	19,611	29,209	32,153	No	No	No	No formal educational credential	No	Yes	Yes
35-2013	Cooks, Private Household	20,065	28,749	33,725	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	20,341	29,539	34,714	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	20,878	27,281	30,879	No	No	No	No formal educational credential	Yes	No	No
35-2019	Cooks, All Other	20,656	29,121	34,249	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	19,462	25,430	28,773	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,752	26,120	31,837	No	No	No	No formal educational credential	No	No	Yes
35-3023	Fast Food and Counter Workers	18,397	21,256	22,532	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,749	25,459	27,776	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	19,195	23,961	25,391	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,705	21,777	23,577	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	19,980	24,719	27,194	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,787	23,308	25,173	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	18,035	26,214	29,302	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	27,337	49,918	61,709	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	32,349	55,814	69,053	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	20,555	29,543	33,501	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,802	26,084	29,480	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	20,570	34,793	50,273	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	25,842	36,406	41,635	No	No	No	High school diploma or equivalent	Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	22,458	30,656	33,655	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	28,812	38,342	41,140	Yes	No	No	High school diploma or equivalent	Yes	No	No
37-3013	Tree Trimmers and Pruners	21,190	34,430	43,333	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	24,955	34,163	37,786	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	34,793	53,418	63,017	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	26,545	43,101	52,994	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	22,990	29,723	34,327	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	20,031	27,814	29,849	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	17,568	23,916	26,986	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,778	26,261	29,655	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,198	33,039	34,125	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	18,178	28,520	31,256	No	No	No	No formal educational credential	No	Yes	No
39-3031	Ushers, Lobby Attendants, and Ticket Takers	18,168	24,288	26,967	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,662	24,142	25,364	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	24,965	53,666	69,928	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	21,910	30,682	35,547	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,064	24,812	28,873	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	32,314	54,257	55,287	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	22,326	32,576	42,903	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	31,336	51,133	61,107	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
39-5011	Barbers	20,885	30,322	36,079	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,197	29,497	32,220	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	34,707	67,364	77,726	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	20,778	27,061	29,299	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	18,359	25,098	28,959	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	23,418	41,356	54,782	No	No	Yes	Postsecondary nondegree award	No	No	Yes
39-6011	Baggage Porters and Bellhops	17,949	23,802	27,157	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	22,260	29,941	33,191	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	21,038	31,189	34,202	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,000	24,189	25,846	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	21,844	35,223	44,755	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	19,598	28,182	31,494	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	21,486	33,038	42,227	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	18,857	32,173	54,738	No	No	Yes	High school diploma or equivalent	No	No	Yes
41-1011	First-Line Supervisors of Retail Sales Workers	26,944	45,965	55,332	No	No	Yes	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	42,998	70,393	81,597	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,698	25,392	28,022	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,102	27,281	33,725	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	21,297	32,333	36,250	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	20,416	32,191	34,807	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,642	29,320	32,207	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	28,276	54,280	73,246	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-3021	Insurance Sales Agents	34,795	63,555	76,245	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	35,459	55,328	62,743	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	19,055	38,520	47,366	No	No	No	Some college, no degree	No	No	No

Workforce Region 20 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	25,279	65,560	78,197	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	32,870	61,568	86,763	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	21,056	66,344	84,759	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-9011	Demonstrators and Product Promoters	21,416	34,165	46,065	No	No	No	No formal educational credential	Yes	Yes	Yes
41-9012	Models	19,732	37,404	47,041	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	22,854	34,745	37,793	No	No	No	Postsecondary nondegree award	No	No	No
41-9022	Real Estate Sales Agents	19,317	55,364	74,855	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	53,485	106,446	137,464	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	20,401	24,943	25,621	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,921	26,280	28,549	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	18,867	25,522	28,478	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	31,765	52,874	63,335	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	20,377	28,402	32,348	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	23,001	29,941	31,104	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	28,149	38,958	46,060	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	21,694	29,902	31,851	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	26,933	36,954	41,394	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	22,958	41,417	50,521	No	No	No	Some college, no degree	No	Yes	Yes
43-3041	Gambling Cage Workers	18,912	26,652	30,122	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	27,861	45,266	54,540	No	No	Yes	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	27,680	39,383	46,467	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	28,156	34,487	38,371	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	18,353	35,187	44,990	No	No	No	Some college, no degree	No	No	No
43-4011	Brokerage Clerks	35,167	49,811	60,237	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	27,910	39,911	46,412	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	27,311	37,058	40,777	No	No	No	Some college, no degree	Yes	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	27,129	41,293	47,375	No	No	No	Some college, no degree	Yes	Yes	No
43-4051	Customer Service Representatives	20,985	32,676	38,018	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	25,120	33,116	36,715	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	18,972	26,995	29,931	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	20,672	25,368	28,030	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	33,963	55,088	64,907	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-4121	Library Assistants, Clerical	20,661	28,941	33,123	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	32,463	45,085	56,722	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	28,396	38,796	44,125	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	23,542	33,381	38,164	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	29,776	45,672	52,452	Yes	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	20,821	30,563	34,814	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	27,389	34,762	38,926	No	No	No	High school diploma or equivalent	Yes	No	No
43-4199	Information and Record Clerks, All Other	29,245	40,056	47,080	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5011	Cargo and Freight Agents	26,643	43,373	52,558	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	25,999	30,925	32,362	No	No	No	High school diploma or equivalent	Yes	No	No
43-5031	Public Safety Telecommunicators	33,822	44,702	50,748	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5032	Dispatchers, Except Police, Fire, and Ambulance	22,685	35,282	39,755	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	26,729	41,412	50,281	No	No	No	High school diploma or equivalent	Yes	No	Yes
43-5051	Postal Service Clerks	37,764	52,027	62,997	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,064	53,137	65,033	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	47,201	57,621	64,255	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	27,459	42,346	48,764	No	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	22,999	33,583	38,746	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	33,438	41,792	47,930	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-6011	Executive Secretaries and Executive Administrative Assistants	36,591	54,637	62,911	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	26,893	36,861	42,723	No	No	No	Some college, no degree	Yes	No	No
43-6013	Medical Secretaries and Administrative Assistants	25,545	34,279	39,006	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	23,058	34,745	39,970	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	25,080	33,967	39,316	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	20,314	35,887	48,103	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	27,424	50,444	55,125	No	Yes	Yes	Associate's degree	No	Yes	No
43-9041	Insurance Claims and Policy Processing Clerks	26,102	35,152	39,753	No	No	No	High school diploma or equivalent	Yes	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	20,160	25,588	28,693	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	20,035	37,572	43,647	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	19,408	31,828	36,994	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	25,365	40,350	53,495	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	31,266	52,723	64,600	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	23,307	39,105	47,609	No	No	No	Some college, no degree	Yes	No	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	27,214	43,919	49,893	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	22,987	32,133	33,106	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	20,847	37,910	43,581	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	18,314	19,460	19,878	No	No	No	No formal educational credential	No	No	No
45-2091	Agricultural Equipment Operators	24,935	34,925	39,118	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	18,919	24,677	25,231	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	19,999	30,732	39,387	No	No	No	No formal educational credential	No	Yes	Yes

Workforce Region 20 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	18,740	27,643	27,929	No	No	No	No formal educational credential	No	No	No
45-3031	Fishing and Hunting Workers	19,999	30,732	39,387	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	34,545	39,444	42,857	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	26,137	35,803	39,263	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	17,911	34,554	44,001	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	22,010	31,771	36,994	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,807	45,173	56,898	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	32,190	66,565	81,324	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	33,429	49,472	58,051	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	28,074	40,346	48,106	No	No	No	High school diploma or equivalent	Yes	No	No
47-2022	Stonemasons	31,370	37,700	41,541	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	27,284	41,700	49,147	No	No	No	Postsecondary nondegree award	Yes	Yes	No
47-2041	Carpet Installers	17,844	31,085	40,102	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,896	38,129	49,663	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	24,936	34,125	38,977	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	22,755	37,565	42,696	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	22,614	36,019	44,325	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	32,429	42,695	48,014	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2061	Construction Laborers	25,694	36,240	40,224	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	27,169	36,276	43,675	No	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	32,095	48,281	57,517	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	33,129	42,742	49,170	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2081	Drywall and Ceiling Tile Installers	29,747	43,731	52,041	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	18,025	39,196	48,033	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	27,869	44,845	52,570	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	31,445	44,730	53,869	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	26,166	37,547	44,144	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	27,891	38,024	43,982	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	26,645	39,709	46,306	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	31,475	45,640	58,423	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	29,744	37,773	42,435	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	29,713	48,123	58,461	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	28,021	39,505	45,992	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	30,150	43,343	49,844	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	26,481	39,264	47,207	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	28,380	41,063	47,989	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2221	Structural Iron and Steel Workers	29,194	46,352	58,024	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	24,317	34,421	38,501	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	19,766	28,532	32,540	No	No	No	No formal educational credential	No	Yes	Yes
47-3012	Helpers--Carpenters	25,516	28,701	30,568	No	No	No	No formal educational credential	Yes	Yes	No
47-3013	Helpers--Electricians	23,274	30,867	34,718	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	26,235	32,479	36,647	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	22,393	30,947	36,406	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	23,545	32,600	37,319	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	18,731	31,168	38,880	No	No	No	No formal educational credential	No	Yes	Yes
47-4011	Construction and Building Inspectors	40,180	65,594	73,206	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	39,492	74,027	93,206	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	24,526	36,689	45,068	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	27,389	45,305	61,138	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-4051	Highway Maintenance Workers	27,505	37,007	45,201	No	No	No	High school diploma or equivalent	Yes	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	32,648	45,898	52,627	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	24,584	36,480	39,387	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	22,943	38,367	42,847	No	No	No	High school diploma or equivalent	No	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	32,762	43,152	48,843	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	23,773	51,674	66,792	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	28,865	42,660	51,366	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5041	Continuous Mining Machine Operators	34,602	55,068	65,696	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	34,602	55,068	65,696	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	29,235	35,746	37,938	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	32,762	43,152	48,843	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	22,591	32,695	38,234	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	25,222	43,715	50,826	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	31,738	38,634	44,407	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	38,353	61,425	73,731	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	19,764	36,965	39,451	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	29,883	55,048	70,224	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	38,763	53,190	61,876	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	32,476	56,154	68,231	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	26,986	41,341	48,919	No	No	No	High school diploma or equivalent	Yes	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	32,238	52,503	66,134	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 20 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	36,272	53,228	63,688	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	56,617	78,109	92,549	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	24,345	36,270	43,276	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	26,776	36,195	40,213	No	No	No	Postsecondary nondegree award	No	No	No
49-2098	Security and Fire Alarm Systems Installers	33,184	41,900	47,992	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-3011	Aircraft Mechanics and Service Technicians	37,645	73,554	98,230	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	27,583	45,968	49,004	No	No	No	Postsecondary nondegree award	Yes	Yes	No
49-3022	Automotive Glass Installers and Repairers	20,856	35,746	41,217	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	24,959	45,860	57,947	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	38,442	53,606	62,216	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	19,264	38,717	48,834	No	No	No	High school diploma or equivalent	No	No	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	27,558	42,820	52,360	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	34,869	53,476	60,653	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	23,660	41,998	52,616	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3052	Motorcycle Mechanics	24,460	35,155	41,379	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	22,273	34,265	39,127	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	21,304	28,682	32,629	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	26,090	45,783	57,822	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	24,886	35,439	44,741	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	26,089	34,041	38,502	No	No	No	High school diploma or equivalent	Yes	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	36,198	51,270	60,442	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	26,761	38,779	47,257	No	No	No	Postsecondary nondegree award	No	No	No
49-9031	Home Appliance Repairers	25,241	38,663	46,222	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	39,613	56,941	67,152	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	26,460	33,022	39,749	No	No	No	High school diploma or equivalent	Yes	No	No
49-9044	Millwrights	30,656	47,833	58,985	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	22,830	32,362	36,709	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	33,896	52,846	65,805	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	24,167	44,025	53,378	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	18,540	39,597	52,418	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	25,446	43,081	51,529	No	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	22,639	33,668	38,377	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,914	41,761	51,865	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	36,585	54,229	62,150	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	22,783	35,288	40,897	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	42,933	70,300	85,409	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18,635	29,397	35,546	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	32,352	48,004	48,757	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	No
49-9094	Locksmiths and Safe Repairers	27,417	40,882	49,679	No	No	No	High school diploma or equivalent	Yes	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	20,361	28,025	30,627	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	31,835	43,705	50,152	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	37,852	63,218	76,105	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	25,985	33,465	38,237	No	No	No	High school diploma or equivalent	Yes	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	21,893	35,705	39,287	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	34,461	58,055	70,723	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	27,705	38,919	45,568	No	No	No	Postsecondary nondegree award	Yes	No	No
51-2021	Coil Winders, Tapers, and Finishers	17,892	34,173	47,680	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	27,169	36,401	41,236	No	No	No	High school diploma or equivalent	Yes	No	No
51-2031	Engine and Other Machine Assemblers	24,412	28,921	30,341	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	21,581	32,235	38,517	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	27,161	35,690	39,562	No	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	25,205	34,875	39,055	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	22,690	30,043	34,522	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	29,465	38,774	44,549	Yes	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	27,278	35,545	39,666	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	21,371	27,291	29,960	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	24,441	32,314	36,280	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	21,641	49,707	62,261	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-3093	Food Cooking Machine Operators and Tenders	18,569	26,795	31,113	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,208	26,090	29,264	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	24,612	33,973	38,577	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	25,232	34,078	37,709	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	25,403	34,955	40,884	No	No	No	High school diploma or equivalent	Yes	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,923	31,142	36,260	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	31,961	52,570	64,190	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	29,211	36,560	39,795	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,010	36,346	42,733	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	32,247	42,475	48,204	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No

Workforce Region 20 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	29,702	45,685	57,193	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	29,283	40,474	47,070	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	25,041	39,530	47,385	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	31,961	52,570	64,190	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	28,530	50,854	60,043	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	20,494	35,994	45,678	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	27,214	36,367	39,426	No	No	No	High school diploma or equivalent	Yes	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	32,091	45,855	53,114	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4111	Tool and Die Makers	29,665	41,933	49,110	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4121	Welders, Cutters, Solderers, and Brazers	33,126	43,920	49,830	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	24,069	34,001	39,044	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	21,381	33,277	38,272	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	27,396	43,715	54,381	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	27,262	37,128	40,188	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,098	34,325	38,033	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	20,313	32,676	37,147	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	27,731	38,877	45,568	No	No	No	Postsecondary nondegree award	Yes	No	No
51-5112	Printing Press Operators	26,826	39,034	45,791	No	No	No	High school diploma or equivalent	Yes	No	No
51-5113	Print Binding and Finishing Workers	20,413	26,172	27,011	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	19,021	23,868	25,807	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	18,952	24,064	26,415	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	21,258	31,903	37,292	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	18,883	29,550	35,565	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,178	28,463	34,345	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,208	27,205	32,409	No	No	No	No formal educational credential	No	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	19,093	28,330	33,115	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	24,593	29,655	33,725	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20,189	29,922	35,117	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18,178	25,213	28,711	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,094	43,133	67,145	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	36,337	65,696	78,269	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	17,949	28,225	30,026	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	28,903	43,344	54,439	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,835	26,271	32,095	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	21,019	35,377	44,965	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	18,979	35,193	43,619	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	22,163	28,174	31,380	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	18,719	24,947	26,348	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	21,772	38,930	54,191	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	67,135	91,795	104,044	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	48,462	77,573	97,248	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	42,933	70,300	85,409	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	37,223	55,573	62,722	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	34,635	52,497	62,255	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	27,500	34,904	42,844	No	No	No	Associate's degree	No	No	No
51-8092	Gas Plant Operators	31,552	45,716	54,915	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	28,978	48,900	56,917	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	37,357	57,107	61,168	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	25,508	42,628	53,914	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	23,525	36,585	44,067	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	22,782	34,345	39,568	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,790	33,593	39,516	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	28,210	39,356	46,140	No	No	No	High school diploma or equivalent	Yes	No	No
51-9031	Cutters and Trimmers, Hand	20,018	33,792	40,274	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	27,593	38,141	45,620	No	No	No	High school diploma or equivalent	Yes	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,734	32,400	36,804	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,943	31,418	36,165	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	23,003	44,463	56,051	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	26,571	39,154	50,871	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-9081	Dental Laboratory Technicians	35,700	54,921	62,543	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9082	Medical Appliance Technicians	32,544	48,158	57,951	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	21,038	32,676	36,880	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	20,424	33,179	37,331	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	20,254	25,698	25,179	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	27,890	43,021	50,811	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9141	Semiconductor Processing Technicians	27,062	39,864	46,736	No	No	No	High school diploma or equivalent	Yes	No	No

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51-9151	Photographic Process Workers and Processing Machine Operators	23,058	40,064	48,014	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	32,001	41,902	47,321	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
51-9162	Computer Numerically Controlled Tool Programmers	33,839	51,893	60,892	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	20,570	33,067	40,073	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,820	33,077	37,995	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	20,694	35,412	43,753	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,816	25,470	31,656	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	22,363	34,902	41,189	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	24,526	35,088	39,482	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	25,003	35,975	43,677	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	19,192	26,606	29,793	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	22,230	32,745	38,461	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	33,172	60,672	75,314	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	26,774	59,466	63,741	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	93,587	218,983	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	37,810	92,893	140,172	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	66,258	116,912	144,889	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	24,231	44,449	57,584	No	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	29,359	55,516	64,123	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,895	27,815	30,188	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,964	25,458	29,778	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	24,986	42,315	50,063	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	19,821	36,717	40,269	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	22,982	35,069	40,702	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	22,735	31,761	36,036	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,591	34,776	44,108	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	51,045	64,095	70,605	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	51,512	64,724	73,674	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	33,134	54,133	64,714	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	51,512	64,724	73,674	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	21,343	40,216	56,678	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	27,615	52,761	68,870	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	22,725	39,225	46,479	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	20,017	62,518	73,154	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	19,045	41,865	53,333	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	31,361	69,957	85,694	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	24,488	38,072	46,746	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	19,726	28,358	31,321	No	No	No	No formal educational credential	No	Yes	No
53-6031	Automotive and Watercraft Service Attendants	19,874	25,710	27,917	No	No	No	No formal educational credential	No	No	No
53-6041	Traffic Technicians	28,853	47,216	58,866	Yes	Yes	Yes	Associate's degree	No	No	Yes
53-6051	Transportation Inspectors	53,857	90,697	101,019	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,921	23,440	25,270	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	22,710	30,155	33,436	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,074	32,381	38,844	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	34,125	58,204	70,748	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	32,543	45,926	53,323	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	25,718	39,616	41,637	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	25,060	36,632	43,181	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	18,979	27,669	32,756	No	No	No	No formal educational credential	No	No	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	20,225	30,780	35,590	No	No	No	No formal educational credential	No	Yes	Yes
53-7063	Machine Feeders and Offbearers	19,074	30,951	36,994	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	18,978	22,746	24,595	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	21,845	30,320	34,771	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	19,350	38,825	46,250	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	27,357	37,458	42,008	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,074	32,381	38,844	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	21,676	40,617	51,674	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 20 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	28,260	46,302	53,922	
1	No formal educational credential	20,529	28,174	31,473	82
2	High school diploma or equivalent	25,359	41,670	49,318	228
3	Some college, no degree	23,080	39,451	47,553	48
4	Postsecondary nondegree award	27,141	41,490	49,628	85
5	Associate's degree	33,333	49,407	56,940	63
6	Bachelor's degree	39,349	72,293	86,914	172
7	Master's degree	46,524	75,210	88,920	39
8	Doctoral or professional degree	79,942	152,029	153,177	63

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	442	338	444	336	437	343
No formal educational credential	48.8%	51.2%	32.9%	67.1%	32.9%	67.1%
High school diploma or equivalent	60.1%	39.9%	75.0%	25.0%	73.7%	26.3%
Some college, no degree	35.4%	64.6%	35.4%	64.6%	39.6%	60.4%
Postsecondary nondegree award	41.2%	58.8%	30.6%	69.4%	41.2%	58.8%
Associate's degree	60.3%	39.7%	41.3%	58.7%	39.7%	60.3%
Bachelor's degree	55.8%	44.2%	59.3%	40.7%	55.8%	44.2%
Master's degree	66.7%	33.3%	64.1%	35.9%	59.0%	41.0%
Doctoral or professional degree	84.1%	15.9%	79.4%	20.6%	69.8%	30.2%

Workforce Region 21 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	70,005	204,566	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	36,366	111,753	146,159	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	19,025	111,106	115,115	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2011	Advertising and Promotions Managers	63,199	111,153	126,172	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	62,319	137,640	179,787	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	51,509	140,536	179,444	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	60,658	108,029	127,161	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	45,216	97,358	118,255	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	79,324	152,294	177,185	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	69,406	152,570	185,659	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	56,825	115,727	141,859	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	58,895	111,092	139,103	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	47,433	91,376	110,288	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	81,077	116,145	132,353	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	65,018	119,938	142,733	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	61,439	114,804	138,643	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	54,657	139,163	133,227	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9021	Construction Managers	60,177	117,679	140,134	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	26,674	41,120	49,643	No	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	56,462	107,908	126,804	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	43,577	95,310	114,534	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9039	Education Administrators, All Other	36,526	101,876	149,058	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9041	Architectural and Engineering Managers	79,600	154,459	179,784	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	24,595	57,008	74,248	No	Yes	Yes	Some college, no degree	No	Yes	Yes
11-9071	Gambling Managers	50,312	96,124	105,712	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	36,137	86,545	109,145	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
11-9111	Medical and Health Services Managers	54,039	111,144	129,872	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	57,697	103,671	112,119	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	65,811	86,031	94,276	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	34,652	60,304	66,061	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	38,495	70,170	85,097	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9161	Emergency Management Directors	49,371	80,934	101,037	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9171	Funeral Home Managers	46,009	89,473	109,480	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	48,778	109,101	140,591	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	35,543	91,739	126,103	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	39,371	70,983	88,483	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	41,676	64,387	79,095	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	53,555	75,058	88,010	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	36,672	72,443	85,645	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	36,927	59,208	69,618	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	34,651	63,936	79,324	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	40,363	86,776	91,996	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	42,737	72,510	99,329	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	39,984	69,416	89,138	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	27,896	80,846	96,191	No	Yes	Yes	Bachelor's degree	No	No	No
13-1121	Meeting, Convention, and Event Planners	18,467	42,728	58,041	No	No	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	40,567	63,466	79,784	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	43,303	60,979	68,109	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	23,686	53,569	68,948	No	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	28,513	66,398	79,354	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	33,995	70,195	89,897	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	41,241	78,365	96,642	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	41,071	65,393	83,247	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	40,089	61,873	72,810	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2041	Credit Analysts	53,139	87,218	109,989	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
13-2052	Personal Financial Advisors	18,814	126,306	169,440	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	36,553	66,376	88,473	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	42,526	80,892	100,086	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2071	Credit Counselors	35,589	51,702	60,139	Yes	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	29,276	91,952	100,511	No	Yes	Yes	Bachelor's degree	No	Yes	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	29,606	58,719	88,635	No	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	23,883	49,767	61,842	No	No	No	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	40,265	82,970	94,597	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	52,493	81,570	98,828	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1212	Information Security Analysts	49,337	89,777	117,256	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	79,798	131,016	153,054	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	19,131	59,967	76,741	No	Yes	Yes	Associate's degree	No	Yes	Yes
15-1232	Computer User Support Specialists	33,602	57,863	66,603	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	70,318	118,927	145,749	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	53,865	94,622	119,026	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1245	Database Administrators and Architects	52,410	104,615	131,590	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	52,521	80,462	89,303	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	57,792	104,231	125,108	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	33,574	64,663	79,336	Yes	Yes	Yes	Associate's degree	No	Yes	Yes

Workforce Region 21 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	31,228	77,603	109,792	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-2011	Actuaries	53,992	127,521	157,258	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	76,914	115,301	130,393	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	35,617	70,523	85,936	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2041	Statisticians	34,988	78,991	116,350	Yes	Yes	Yes	Master's degree	No	Yes	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	45,576	99,144	132,570	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	42,416	76,271	93,099	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1012	Landscape Architects	54,178	74,375	80,072	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1021	Cartographers and Photogrammetrists	55,053	69,339	78,576	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	32,181	65,012	78,939	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	72,835	112,610	134,979	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	47,756	88,097	108,934	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
17-2031	Bioengineers and Biomedical Engineers	54,512	77,134	87,155	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2041	Chemical Engineers	54,647	106,684	134,903	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	57,064	90,369	106,353	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-2061	Computer Hardware Engineers	74,028	113,573	140,727	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	56,484	97,935	121,285	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	76,562	116,756	132,203	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	38,209	78,521	95,648	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	52,833	88,059	103,608	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2112	Industrial Engineers	56,984	93,086	114,668	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	52,933	87,704	104,850	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2131	Materials Engineers	55,652	105,024	128,002	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	51,852	94,824	118,806	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	80,278	129,017	157,924	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	94,005	118,566	133,921	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	80,802	175,507	215,782	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	53,109	99,663	132,115	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	35,188	50,404	58,517	Yes	No	No	Associate's degree	Yes	No	No
17-3012	Electrical and Electronics Drafters	23,529	46,325	62,838	No	No	Yes	Associate's degree	No	No	No
17-3013	Mechanical Drafters	46,436	78,488	96,986	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	30,382	64,163	85,338	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	44,469	74,982	96,714	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	28,463	47,394	59,565	No	No	No	Associate's degree	No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	41,993	66,050	78,564	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	37,760	66,472	53,539	Yes	Yes	No	Associate's degree	Yes	Yes	No
17-3025	Environmental Engineering Technologists and Technicians	42,464	54,026	61,089	Yes	Yes	No	Associate's degree	Yes	No	No
17-3026	Industrial Engineering Technologists and Technicians	30,208	57,291	68,672	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	34,280	60,424	77,897	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	31,333	47,268	56,324	Yes	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	40,193	58,648	69,269	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	45,408	70,755	84,701	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	35,055	63,526	79,950	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	34,290	61,521	86,597	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1021	Biochemists and Biophysicists	48,160	87,245	99,357	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	39,544	68,593	83,740	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	30,479	45,942	48,542	Yes	No	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	34,464	68,702	89,893	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	31,677	51,073	59,804	Yes	No	No	Bachelor's degree	No	No	No
19-1032	Foresters	50,716	82,866	105,985	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1041	Epidemiologists	35,940	60,315	75,102	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	37,194	78,552	86,243	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1099	Life Scientists, All Other	55,062	113,914	142,865	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	93,558	159,639	181,262	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	93,558	159,639	181,262	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	64,651	108,104	127,062	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	42,621	55,269	61,400	Yes	Yes	No	Bachelor's degree	No	No	No
19-2032	Materials Scientists	56,986	81,501	91,732	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-2041	Environmental Scientists and Specialists, Including Health	40,431	85,045	88,649	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	45,454	79,053	100,442	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-2043	Hydrologists	57,083	90,868	119,105	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	51,851	127,958	149,788	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	61,351	83,880	89,641	Yes	Yes	Yes	Master's degree	Yes	Yes	No
19-3022	Survey Researchers	32,227	78,935	104,074	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3031	Clinical, Counseling, and School Psychologists	45,212	80,362	101,114	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	32,227	78,935	104,074	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	47,489	101,300	119,861	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	57,923	82,735	100,361	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3051	Urban and Regional Planners	48,517	76,222	83,755	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3091	Anthropologists and Archeologists	35,940	60,315	75,102	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	69,903	91,799	106,258	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	27,269	63,984	93,962	No	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists	68,418	108,803	125,424	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	46,072	78,840	84,446	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-4010	Agricultural and Food Science Technicians	18,839	34,976	41,480	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	30,349	48,575	60,326	Yes	No	No	Bachelor's degree	No	No	No

Workforce Region 21 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
19-4031	Chemical Technicians	28,498	54,652	80,719	No	Yes	Yes	Associate's degree	No	No	Yes
19-4042	Environmental Science and Protection Technicians, Including Health	32,531	43,662	48,474	Yes	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	26,691	38,868	46,298	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	76,914	105,166	119,199	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	25,542	46,042	51,784	No	No	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	34,094	51,338	61,385	Yes	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	41,578	67,555	81,488	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	27,360	59,966	75,013	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	34,494	66,394	82,973	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	29,519	54,877	71,148	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	39,678	58,582	72,637	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	37,191	49,467	53,300	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	25,933	40,009	46,884	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	29,531	46,805	56,819	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	18,941	34,785	44,721	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	31,145	52,653	63,043	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	34,533	55,111	67,879	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	23,243	42,361	48,417	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	34,987	57,452	79,546	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	33,640	87,840	95,912	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	34,313	43,967	48,706	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	25,214	39,120	45,786	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	23,093	43,534	50,584	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	33,399	44,045	49,958	Yes	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	32,928	53,560	60,391	Yes	Yes	No	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	21,633	53,908	55,806	No	Yes	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	19,213	49,127	69,893	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	42,947	155,739	191,069	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
23-1012	Judicial Law Clerks	33,112	56,078	63,438	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	42,427	112,014	137,175	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	27,891	77,843	110,113	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	159,519	205,069	187,072	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	38,067	58,814	66,503	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
23-2093	Title Examiners, Abstractors, and Searchers	28,087	47,293	51,729	No	No	No	High school diploma or equivalent	Yes	Yes	No
23-2099	Legal Support Workers, All Other	29,126	63,296	67,621	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	64,978	119,221	140,211	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	50,989	107,940	135,100	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	46,610	90,849	119,898	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	28,962	99,040	123,590	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	59,147	120,892	148,085	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	60,544	114,198	138,999	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	46,238	98,363	120,444	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	75,397	123,568	145,333	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	52,146	103,921	128,744	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	52,719	98,532	133,877	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	25,587	82,167	96,452	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	53,326	103,463	130,732	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	63,602	101,661	114,875	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	47,407	87,813	106,662	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	64,978	119,221	140,211	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	57,356	95,469	112,450	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	57,869	102,873	115,901	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	45,867	89,113	106,324	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	47,003	88,731	108,191	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	48,215	91,887	121,908	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	44,545	71,981	77,415	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-1072	Nursing Instructors and Teachers, Postsecondary	68,183	82,784	92,837	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	46,993	78,148	84,277	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	47,931	77,548	91,395	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	43,410	97,751	106,433	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	61,374	166,137	220,194	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	40,276	81,643	96,102	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	36,486	108,213	123,775	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	45,430	79,186	93,569	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	34,138	83,838	116,131	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	51,688	93,929	121,056	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	31,845	90,959	104,598	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	49,307	102,261	120,248	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	46,358	74,741	88,698	Yes	Yes	Yes	Master's degree	Yes	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	36,442	73,409	89,026	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	40,588	64,681	66,521	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	25,063	61,025	76,707	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	21,113	31,196	33,361	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	54,954	72,067	78,996	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2021	Elementary School Teachers, Except Special Education	48,799	72,978	81,450	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	34,751	70,556	82,183	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	32,729	64,476	82,353	Yes	Yes	Yes	Bachelor's degree	No	No	No

Workforce Region 21 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	37,863	68,479	80,920	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	62,653	88,341	110,702	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
25-2051	Special Education Teachers, Preschool	35,001	67,927	86,405	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	57,811	76,738	84,440	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2057	Special Education Teachers, Middle School	44,797	65,120	76,434	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	45,627	68,866	82,495	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	59,536	80,317	92,267	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	34,673	51,426	63,493	Yes	No	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	19,144	37,300	44,389	No	No	No	Some college, no degree	No	No	No
25-3031	Substitute Teachers, Short-Term	20,194	27,233	30,625	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	21,985	47,179	50,194	No	No	No	Bachelor's degree	No	No	No
25-4011	Archivists	32,350	47,554	60,976	Yes	No	No	Master's degree	No	No	No
25-4012	Curators	38,948	54,984	58,812	Yes	Yes	No	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	30,062	42,774	48,700	Yes	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	28,311	53,605	65,170	No	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	25,054	37,599	43,345	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	20,815	41,794	52,944	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	35,379	65,303	79,765	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	19,157	39,518	50,997	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	20,880	27,029	30,411	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	20,684	28,379	33,358	No	No	No	Bachelor's degree	No	No	No
27-1011	Art Directors	58,194	183,597	112,942	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	20,029	35,798	42,984	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,653	38,013	51,586	No	No	No	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	41,183	69,122	80,650	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1019	Artists and Related Workers, All Other	33,177	93,590	114,416	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	19,229	51,042	67,910	No	No	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	35,030	79,835	99,089	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	21,242	37,099	32,253	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	38,034	59,879	73,496	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	19,899	56,147	69,556	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	22,404	35,395	40,336	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	42,171	79,020	96,642	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	55,528	67,863	76,692	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-2011	Actors	23,397	48,315	53,744	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	24,354	60,517	67,636	No	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	20,444	77,537	91,210	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	19,316	48,728	55,918	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	18,411	52,089	59,968	No	No	No	Some college, no degree	No	Yes	Yes
27-2031	Dancers	21,988	60,422	88,725	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	20,171	42,514	64,563	No	No	Yes	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	20,575	72,153	83,915	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	20,693	97,993	137,381	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	20,695	28,427	33,079	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	21,743	65,044	79,929	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	19,250	45,522	58,118	No	No	No	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	32,883	60,930	69,961	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	21,260	56,046	63,839	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	38,018	69,015	80,806	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	39,723	61,919	64,578	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	39,820	63,662	75,651	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	21,175	55,859	91,799	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	25,373	58,253	78,555	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4011	Audio and Video Technicians	28,945	46,608	50,963	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	32,468	63,030	79,879	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
27-4014	Sound Engineering Technicians	21,611	37,622	43,677	No	No	No	Associate's degree	No	No	No
27-4021	Photographers	18,822	39,687	58,320	No	No	No	Some college, no degree	No	No	Yes
27-4031	Camera Operators, Television, Video, and Film	36,656	58,812	64,499	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	34,375	58,572	73,053	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	29,358	70,755	100,494	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	45,056	76,227	75,170	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	115,798	236,406	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	69,718	256,626	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1023	Orthodontists	97,806	197,577	227,151	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	87,660	234,653	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	62,543	191,451	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	45,418	61,468	71,308	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041	Optometrists	52,796	100,341	130,144	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	101,057	124,255	138,324	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1071	Physician Assistants	40,780	99,592	119,171	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-1081	Podiatrists	58,819	144,929	198,735	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	41,056	77,296	96,238	Yes	Yes	Yes	Master's degree	No	No	Yes
29-1123	Physical Therapists	26,123	78,989	98,928	No	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	55,487	72,864	81,711	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
29-1125	Recreational Therapists	37,452	61,806	77,288	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	49,164	61,512	68,377	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	75,227	96,709	110,440	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	31,696	54,983	69,583	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	19,412	41,845	51,431	No	No	No	Bachelor's degree	No	No	No
29-1131	Veterinarians	59,867	92,277	106,435	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	51,059	72,024	84,070	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	136,946	192,449	206,373	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	23,916	73,747	108,137	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	58,903	95,601	115,436	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	54,675	81,561	91,169	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	148,718	310,458	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	93,073	159,378	185,447	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1216	General Internal Medicine Physicians	104,544	287,238	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1218	Obstetricians and Gynecologists	136,203	268,180	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	141,977	187,938	202,909	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1223	Psychiatrists	48,411	179,472	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	148,769	259,163	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	56,799	333,478	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	55,050	69,658	78,152	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	23,665	73,540	88,654	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	29,892	53,324	65,569	No	Yes	Yes	Associate's degree	No	No	Yes
29-2031	Cardiovascular Technologists and Technicians	27,049	49,757	65,315	No	No	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	48,581	66,214	76,755	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	61,125	80,633	93,533	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	35,550	55,898	66,642	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	54,347	70,263	79,333	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	26,086	39,052	42,512	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	22,127	31,792	35,711	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	27,098	37,008	40,160	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2053	Psychiatric Technicians	27,375	39,663	47,662	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2055	Surgical Technologists	29,252	46,932	57,793	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	33,042	43,068	41,074	Yes	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	32,650	45,895	53,279	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	29,758	47,686	56,237	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	22,567	41,061	56,736	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	60,110	73,328	80,192	Yes	Yes	Yes	Master's degree	Yes	No	No
29-2092	Hearing Aid Specialists	31,779	69,183	79,918	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	28,861	45,085	55,646	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	32,760	41,414	45,615	Yes	No	No	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	64,967	88,130	101,584	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	31,408	64,694	80,638	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	20,014	26,252	29,451	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	19,757	27,503	31,419	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	21,792	29,092	31,565	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	27,924	32,784	34,946	No	No	No	High school diploma or equivalent	Yes	No	No
31-2011	Occupational Therapy Assistants	54,714	67,505	77,445	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	21,284	30,960	35,219	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	32,129	60,025	71,468	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
31-2022	Physical Therapist Aides	19,692	26,195	28,868	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	20,112	37,168	41,594	No	No	No	Postsecondary nondegree award	No	No	No
31-9091	Dental Assistants	28,650	43,547	51,141	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	29,135	37,552	41,369	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9093	Medical Equipment Preparers	25,693	35,232	40,722	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	29,140	38,835	41,312	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9095	Pharmacy Aides	23,780	45,367	52,537	No	No	No	High school diploma or equivalent	No	Yes	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	21,224	28,738	31,254	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	24,947	32,992	37,279	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	21,531	36,807	48,374	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	36,890	80,016	121,818	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	76,237	112,916	131,072	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	72,304	104,122	124,227	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	27,388	48,409	59,934	No	No	No	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	43,623	65,436	81,704	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	45,709	81,844	99,652	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	32,380	38,277	41,815	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	35,907	51,043	59,136	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	36,704	70,117	91,243	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	55,946	91,883	105,559	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	23,163	31,080	33,570	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	19,632	45,685	55,738	No	No	No	High school diploma or equivalent	No	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	53,652	73,645	89,071	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	49,154	70,810	84,068	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	31,684	42,332	48,541	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No

Workforce Region 21 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	41,175	59,447	66,528	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	27,335	37,939	42,995	No	No	No	High school diploma or equivalent	Yes	No	No
33-9032	Security Guards	20,750	29,587	30,804	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	22,251	30,944	36,255	No	No	No	No formal educational credential	Yes	Yes	Yes
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	20,784	35,527	41,279	No	No	No	No formal educational credential	Yes	Yes	Yes
33-9093	Transportation Security Screeners	41,708	45,563	47,820	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	20,856	31,148	35,491	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	36,293	65,072	76,563	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	21,817	37,492	46,444	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,325	21,434	20,784	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	20,799	27,815	31,537	No	No	No	No formal educational credential	Yes	No	No
35-2013	Cooks, Private Household	22,988	32,937	38,637	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	18,950	30,549	36,700	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	21,084	26,211	29,418	No	No	No	No formal educational credential	Yes	No	No
35-2019	Cooks, All Other	27,137	33,363	38,314	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	19,976	26,519	30,209	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,732	25,299	29,817	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,791	22,931	24,491	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,769	25,685	27,673	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	18,954	25,090	26,414	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,791	23,858	27,448	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	19,074	23,823	26,388	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	19,491	24,523	27,101	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	20,378	24,545	25,461	No	No	No	No formal educational credential	Yes	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	27,020	41,075	43,000	No	No	No	High school diploma or equivalent	Yes	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	38,887	56,925	64,466	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,526	27,722	31,747	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,083	24,976	27,512	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	23,567	39,861	57,596	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	21,435	33,482	40,432	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	21,694	30,867	35,444	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	24,153	35,497	40,627	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	26,205	32,662	33,540	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	26,941	33,797	36,608	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	39,861	61,200	72,197	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	26,691	51,658	64,067	No	No	Yes	Some college, no degree	No	Yes	Yes
39-2011	Animal Trainers	28,025	53,638	85,049	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
39-2021	Animal Caretakers	19,770	31,844	32,518	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	20,127	27,400	30,917	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	21,514	30,087	33,974	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	21,994	37,851	39,096	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	20,826	32,675	35,809	No	No	No	No formal educational credential	Yes	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	18,822	25,902	30,262	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,809	24,919	28,818	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	26,917	42,671	48,080	No	No	No	High school diploma or equivalent	Yes	No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	19,895	27,675	30,993	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	20,695	28,427	33,079	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	37,021	62,161	63,340	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
39-4021	Funeral Attendants	21,721	31,335	32,812	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	34,586	59,944	66,955	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
39-5011	Barbers	23,927	34,739	41,335	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,554	29,464	33,557	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	39,762	77,177	89,047	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	19,947	25,720	29,225	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	21,033	28,754	33,177	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	23,213	37,074	39,921	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	18,630	25,904	30,017	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	23,008	32,994	38,955	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	19,724	32,652	37,907	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	20,192	29,125	31,941	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	18,753	35,657	38,156	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	20,837	30,950	35,191	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	22,937	38,323	47,362	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	18,475	22,992	19,883	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	29,108	49,257	59,142	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	48,346	85,595	105,491	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,172	23,805	25,352	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	20,738	31,255	38,637	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2021	Counter and Rental Clerks	18,888	29,591	34,994	No	No	No	No formal educational credential	No	Yes	Yes
41-2022	Parts Salespersons	19,659	38,309	49,511	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,175	28,817	32,200	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	30,547	80,017	105,094	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-3021	Insurance Sales Agents	27,086	57,611	55,355	No	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	41,787	108,204	148,550	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-3041	Travel Agents	19,056	32,859	39,554	No	No	No	Some college, no degree	No	No	No

Workforce Region 21 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	23,222	62,894	78,447	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	36,547	89,735	117,867	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	27,526	68,460	90,530	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	30,907	53,352	54,596	Yes	Yes	No	No formal educational credential	Yes	Yes	Yes
41-9012	Models	22,606	42,853	53,894	No	No	No	High school diploma or equivalent	No	No	Yes
41-9021	Real Estate Brokers	29,202	72,972	75,964	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	21,830	66,747	77,166	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	36,799	85,787	109,937	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
41-9041	Telemarketers	19,820	27,490	28,476	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	20,531	30,108	32,707	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	22,092	36,962	46,151	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	37,161	61,589	70,576	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	25,643	35,815	42,879	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	26,352	34,302	35,634	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	32,249	44,633	52,769	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	28,182	40,053	45,615	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	28,026	41,854	48,003	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	27,100	45,467	54,041	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	21,667	30,534	34,509	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	35,530	48,475	54,868	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	29,295	44,377	52,585	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	25,867	33,379	38,136	No	No	No	High school diploma or equivalent	No	No	No
43-3099	Financial Clerks, All Other	33,567	43,436	51,347	Yes	No	No	Some college, no degree	Yes	No	Yes
43-4011	Brokerage Clerks	38,529	57,467	68,044	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	31,976	45,725	53,173	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4031	Court, Municipal, and License Clerks	33,260	43,786	48,940	Yes	No	No	Some college, no degree	Yes	Yes	No
43-4041	Credit Authorizers, Checkers, and Clerks	28,698	56,397	64,628	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	22,686	36,311	41,790	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	27,938	35,846	41,728	No	No	No	High school diploma or equivalent	Yes	No	No
43-4071	File Clerks	25,158	37,839	43,861	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	18,562	27,440	31,079	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	26,567	44,255	50,560	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	21,356	32,497	38,000	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	27,043	46,351	57,121	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	32,533	44,447	50,552	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	24,762	34,480	38,354	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	33,688	53,670	70,214	Yes	Yes	Yes	Associate's degree	No	No	Yes
43-4171	Receptionists and Information Clerks	20,392	32,289	38,402	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	21,704	35,811	40,126	No	No	No	High school diploma or equivalent	No	No	No
43-4199	Information and Record Clerks, All Other	29,348	42,422	49,742	No	No	No	High school diploma or equivalent	Yes	No	No
43-5011	Cargo and Freight Agents	27,447	37,912	41,158	No	No	No	High school diploma or equivalent	Yes	No	No
43-5021	Couriers and Messengers	24,804	33,583	38,476	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	41,491	60,887	73,032	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5032	Dispatchers, Except Police, Fire, and Ambulance	25,077	40,770	47,911	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	31,593	37,629	39,320	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,761	51,898	62,995	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,052	53,651	65,032	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	35,393	53,053	62,988	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	29,152	49,686	61,434	No	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	23,248	34,285	38,737	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	27,492	39,009	40,625	No	No	No	High school diploma or equivalent	Yes	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	33,667	60,705	75,358	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	34,049	48,977	61,736	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	27,271	38,119	43,860	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	22,018	38,274	47,239	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	26,765	38,150	40,303	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	29,166	41,977	54,832	No	No	No	High school diploma or equivalent	Yes	No	Yes
43-9031	Desktop Publishers	41,064	136,327	190,864	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
43-9041	Insurance Claims and Policy Processing Clerks	24,628	39,777	47,194	No	No	No	High school diploma or equivalent	No	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	28,851	37,454	41,017	No	No	No	High school diploma or equivalent	Yes	No	No
43-9061	Office Clerks, General	19,969	36,884	44,240	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	25,484	41,184	41,215	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	27,012	37,221	38,168	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	35,820	60,402	74,010	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	26,241	47,587	59,176	No	No	No	Some college, no degree	No	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	29,902	64,011	55,783	No	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	22,398	40,745	51,546	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	23,884	43,432	49,929	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	28,001	37,021	41,564	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	18,312	26,114	31,295	No	No	No	No formal educational credential	No	No	No
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	18,482	22,415	23,960	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	21,946	37,036	45,824	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 21 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	21,470	31,670	31,998	No	No	No	No formal educational credential	Yes	Yes	No
45-3031	Fishing and Hunting Workers	22,912	35,208	45,124	No	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	39,577	45,190	49,099	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
45-4021	Fallers	29,945	41,018	44,982	Yes	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	20,520	39,588	50,410	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	25,216	36,399	42,383	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	21,547	51,753	65,186	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	44,816	70,954	84,035	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	53,977	58,994	62,882	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	24,425	44,583	54,451	No	No	No	High school diploma or equivalent	No	No	Yes
47-2022	Stonemasons	35,818	44,003	48,777	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	27,274	43,622	51,334	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	20,444	35,612	45,943	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	26,232	43,683	56,897	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	28,569	39,096	44,655	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	34,876	49,987	59,629	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	30,704	40,440	46,531	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	37,152	48,914	55,008	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	23,749	34,038	38,786	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	23,564	36,144	40,206	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	36,770	55,313	65,896	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	32,992	51,171	59,351	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2081	Drywall and Ceiling Tile Installers	26,800	39,526	47,937	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	20,651	44,906	55,029	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2111	Electricians	30,910	47,000	52,904	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	32,343	44,882	54,462	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	29,977	43,017	50,574	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	31,954	43,563	50,388	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	27,123	35,472	40,136	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	36,060	52,288	66,933	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	32,922	43,283	49,290	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	31,672	48,913	59,010	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	25,589	40,538	49,238	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	34,542	49,656	57,104	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	21,805	36,637	46,987	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	22,306	40,037	50,050	No	No	No	High school diploma or equivalent	No	No	No
47-2221	Structural Iron and Steel Workers	29,879	48,237	56,995	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	27,859	39,435	44,109	No	No	No	High school diploma or equivalent	Yes	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	28,268	34,123	37,705	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	24,430	35,470	41,488	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	32,252	35,955	39,011	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	22,606	30,829	35,918	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	32,040	42,084	48,749	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-3016	Helpers--Roofers	26,974	37,349	42,755	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	21,909	29,394	33,064	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	35,480	65,842	80,685	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	33,399	55,870	75,929	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	28,099	42,034	51,633	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	27,232	36,751	38,010	No	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	24,523	39,596	47,319	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	37,403	52,583	60,293	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	28,164	41,794	45,124	No	No	No	High school diploma or equivalent	Yes	No	No
47-4090	Miscellaneous Construction and Related Workers	34,285	47,488	55,355	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	37,534	49,438	55,958	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	27,236	59,201	76,521	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	28,612	45,048	52,223	No	No	No	High school diploma or equivalent	Yes	Yes	No
47-5041	Continuous Mining Machine Operators	39,642	63,089	75,265	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	39,642	63,089	75,265	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	33,494	40,953	43,464	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	37,534	49,438	55,958	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	25,882	37,458	43,803	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	31,283	55,932	65,126	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	38,954	62,019	79,535	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	37,303	62,435	76,122	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	20,769	34,190	40,018	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	34,926	48,812	52,342	Yes	No	No	Associate's degree	No	No	No
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	35,410	58,106	72,217	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	37,207	64,334	78,170	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	30,917	47,363	56,045	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	36,934	60,151	75,768	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 21 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	32,917	51,526	62,067	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	46,369	78,411	99,575	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	27,891	41,553	49,580	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2097	Audiovisual Equipment Installers and Repairers	21,323	30,019	26,132	No	No	No	Postsecondary nondegree award	No	No	No
49-2098	Security and Fire Alarm Systems Installers	33,443	46,280	52,668	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	29,627	73,391	95,003	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-3021	Automotive Body and Related Repairers	28,237	52,735	71,728	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	23,894	40,953	47,221	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	24,024	43,305	55,121	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	34,181	51,746	60,998	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	29,883	43,084	50,086	No	No	No	High school diploma or equivalent	Yes	No	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	36,878	51,441	58,963	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	39,948	61,265	69,488	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	32,055	47,370	58,626	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	28,023	40,276	47,407	No	No	No	High school diploma or equivalent	Yes	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	28,279	45,473	55,353	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3091	Bicycle Repairers	24,408	32,860	37,382	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	29,890	52,452	66,245	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	22,768	43,471	56,199	No	No	No	High school diploma or equivalent	No	No	Yes
49-9011	Mechanical Door Repairers	26,570	44,032	51,797	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	32,929	39,330	40,320	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	27,970	44,125	52,030	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	28,918	44,294	52,954	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9041	Industrial Machinery Mechanics	33,478	46,964	54,621	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	27,169	41,950	50,488	No	No	No	High school diploma or equivalent	Yes	No	No
49-9044	Millwrights	35,121	54,800	67,577	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	26,155	37,076	42,056	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	31,858	55,258	70,485	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	30,964	44,117	50,151	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	21,241	45,365	60,053	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	24,592	32,067	34,332	No	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	25,937	38,572	43,967	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	23,960	47,844	59,420	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	41,914	62,128	71,203	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	25,895	39,993	46,962	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	49,187	80,540	97,849	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	21,350	33,679	40,723	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	37,065	54,997	55,859	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	18,947	36,196	40,596	No	No	No	High school diploma or equivalent	No	No	No
49-9095	Manufactured Building and Mobile Home Installers	23,327	32,107	35,088	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	35,612	53,763	65,087	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	43,366	72,426	87,191	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	23,277	32,134	37,245	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	26,334	41,308	49,767	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	36,888	65,389	82,385	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	21,044	45,124	58,306	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	20,498	39,151	54,625	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	26,380	49,464	70,185	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-2031	Engine and Other Machine Assemblers	27,968	33,133	34,761	No	No	No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	23,365	34,628	42,762	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	28,394	39,336	43,792	No	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	19,853	32,841	38,331	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	21,647	30,649	36,299	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	28,056	37,611	41,709	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	31,252	35,805	39,179	Yes	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	24,484	31,266	34,324	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	28,001	37,021	41,564	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,137	20,955	19,568	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	21,274	30,698	35,645	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	23,152	29,890	33,527	No	No	No	No formal educational credential	Yes	Yes	Yes
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	28,197	38,921	44,196	No	No	No	High school diploma or equivalent	Yes	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	28,907	39,042	43,202	No	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	29,104	40,046	46,839	No	No	No	High school diploma or equivalent	Yes	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	21,193	31,406	33,303	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	36,617	60,228	73,540	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,152	29,329	32,560	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	25,216	41,641	48,957	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	36,945	48,663	55,226	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 21 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	31,086	47,681	58,004	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	33,548	46,369	53,926	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4052	Pourers and Casters, Metal	28,689	45,288	54,287	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4061	Model Makers, Metal and Plastic	36,617	60,228	73,540	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	32,686	58,262	68,789	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	23,480	41,237	52,332	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	22,697	30,249	31,628	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	27,990	39,620	43,497	No	No	No	High school diploma or equivalent	Yes	No	No
51-4111	Tool and Die Makers	42,451	60,872	66,563	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	33,576	47,179	54,256	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	28,994	41,227	47,847	No	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	24,495	38,124	43,847	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	31,386	50,082	62,303	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	23,230	43,839	50,664	No	No	No	High school diploma or equivalent	No	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	28,754	39,325	43,574	No	No	No	High school diploma or equivalent	Yes	No	No
51-4199	Metal Workers and Plastic Workers, All Other	23,272	37,436	42,558	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	26,570	40,049	47,483	No	No	No	Postsecondary nondegree award	Yes	No	No
51-5112	Printing Press Operators	33,790	42,973	48,982	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-5113	Print Binding and Finishing Workers	22,912	34,826	41,968	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	19,195	25,354	29,146	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	18,789	23,926	27,518	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	19,270	38,869	39,805	No	No	No	No formal educational credential	No	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	21,634	33,854	40,745	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	20,826	32,609	39,347	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	23,152	31,168	37,130	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	27,620	38,708	46,408	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	28,175	33,974	38,637	No	No	No	High school diploma or equivalent	Yes	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	23,130	34,280	40,232	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	20,826	28,885	32,893	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	23,021	49,416	76,925	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	41,630	75,265	89,670	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	20,564	32,336	34,400	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	21,526	30,912	26,135	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	20,433	30,097	36,770	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	20,494	36,287	43,804	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	21,743	40,319	49,973	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood	32,686	58,262	68,789	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood	36,617	60,228	73,540	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	24,747	43,381	57,176	No	No	No	High school diploma or equivalent	No	No	Yes
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	29,313	39,177	43,961	No	No	No	High school diploma or equivalent	Yes	No	No
51-7099	Woodworkers, All Other	24,943	44,600	62,084	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	76,914	105,166	119,199	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	55,521	88,873	111,413	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	49,187	80,540	97,849	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	40,083	59,811	67,386	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	37,884	53,019	61,784	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	34,804	56,755	69,084	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
51-8092	Gas Plant Operators	36,148	52,376	62,914	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	33,199	56,023	65,207	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	42,798	65,426	70,078	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	29,224	48,837	61,767	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	32,830	40,446	45,982	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	22,975	33,683	39,676	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	23,792	35,652	40,065	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	28,111	38,881	44,404	No	No	No	High school diploma or equivalent	Yes	No	No
51-9031	Cutters and Trimmers, Hand	22,933	38,714	46,140	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	23,718	39,029	46,306	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	26,046	37,119	42,165	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	25,139	35,995	41,433	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	26,537	55,813	75,780	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	27,375	49,624	62,031	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9081	Dental Laboratory Technicians	19,145	42,959	56,620	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	27,935	50,399	59,223	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	27,561	42,685	51,043	No	No	No	High school diploma or equivalent	Yes	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	18,780	27,571	31,741	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	21,915	34,021	38,702	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	30,488	50,451	59,036	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9141	Semiconductor Processing Technicians	33,860	41,211	42,488	Yes	No	No	High school diploma or equivalent	Yes	No	No

Workforce Region 21 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	19,441	29,608	25,969	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	21,209	33,619	39,079	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	45,936	67,972	79,432	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	23,567	37,884	45,911	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	26,144	37,895	43,530	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	23,709	40,570	50,126	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	20,411	29,180	36,268	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	26,155	37,076	42,056	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	28,099	40,199	45,234	No	No	No	High school diploma or equivalent	Yes	No	No
51-9197	Tire Builders	28,645	41,215	50,039	No	No	No	High school diploma or equivalent	Yes	No	No
51-9198	Helpers--Production Workers	22,850	32,562	37,547	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	19,589	29,480	33,879	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	38,004	69,510	86,284	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	33,567	54,665	64,603	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	107,219	250,881	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	59,772	130,945	175,321	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	75,910	133,942	165,995	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	46,445	69,547	79,704	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	43,375	58,244	62,713	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	23,938	31,867	34,586	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,603	31,131	39,188	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	27,689	41,596	49,533	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	23,301	37,878	43,206	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	20,419	32,947	40,212	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	21,771	31,849	36,692	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	22,457	37,890	47,844	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	58,480	73,431	80,890	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	59,015	74,152	84,406	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	37,960	62,019	74,141	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	59,015	74,152	84,406	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	24,451	46,074	64,934	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-4099	Rail Transportation Workers, All Other	31,637	60,446	78,902	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	28,111	50,897	60,801	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	20,224	63,736	89,041	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	21,820	47,964	61,101	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	35,929	80,147	98,177	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	28,055	43,617	53,555	No	No	No	High school diploma or equivalent	Yes	No	Yes
53-6021	Parking Attendants	19,335	28,727	32,610	No	No	No	No formal educational credential	No	Yes	Yes
53-6031	Automotive and Watercraft Service Attendants	19,133	28,083	32,688	No	No	No	No formal educational credential	No	No	Yes
53-6041	Traffic Technicians	36,254	53,272	60,464	Yes	Yes	No	Associate's degree	Yes	No	No
53-6051	Transportation Inspectors	53,678	101,719	149,557	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	20,531	26,854	28,951	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	24,626	36,257	42,482	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	21,852	37,098	44,502	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	49,231	70,048	81,308	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	33,033	37,374	39,661	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-7041	Hoist and Winch Operators	29,464	45,386	47,702	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	26,949	46,088	51,622	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	20,159	30,447	35,712	No	No	No	No formal educational credential	No	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	20,582	32,133	37,782	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	21,852	35,460	42,383	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	20,522	31,520	42,118	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7065	Stockers and Order Fillers	20,434	29,159	33,278	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	38,364	71,214	85,618	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	22,169	44,480	52,987	No	No	No	High school diploma or equivalent	No	No	Yes
53-7073	Wellhead Pumpers	27,389	43,453	53,391	No	No	No	High school diploma or equivalent	Yes	No	Yes
53-7081	Refuse and Recyclable Material Collectors	28,069	40,504	46,846	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	21,852	37,098	44,502	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7199	Material Moving Workers, All Other	24,834	46,533	59,201	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 21 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	29,910	52,561	61,942	
1	No formal educational credential	20,170	28,356	32,122	82
2	High school diploma or equivalent	26,769	44,785	52,963	232
3	Some college, no degree	26,942	43,587	50,813	48
4	Postsecondary nondegree award	26,427	40,974	48,708	85
5	Associate's degree	35,185	55,401	64,847	63
6	Bachelor's degree	43,470	89,119	108,037	172
7	Master's degree	46,047	77,956	92,632	42
8	Doctoral or professional degree	65,864	145,694	157,132	63

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	403	384	435	352	419	368
No formal educational credential	26.8%	73.2%	25.6%	74.4%	25.6%	74.4%
High school diploma or equivalent	55.6%	44.4%	72.0%	28.0%	69.4%	30.6%
Some college, no degree	39.6%	60.4%	31.3%	68.8%	27.1%	72.9%
Postsecondary nondegree award	28.2%	71.8%	24.7%	75.3%	27.1%	72.9%
Associate's degree	54.0%	46.0%	38.1%	61.9%	34.9%	65.1%
Bachelor's degree	58.1%	41.9%	68.6%	31.4%	65.7%	34.3%
Master's degree	64.3%	35.7%	57.1%	42.9%	52.4%	47.6%
Doctoral or professional degree	76.2%	23.8%	71.4%	28.6%	69.8%	30.2%

Workforce Region 22 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	59,177	186,478	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	45,856	119,378	148,456	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	20,433	78,727	115,115	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-2011	Advertising and Promotions Managers	66,492	93,995	90,769	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
11-2021	Marketing Managers	70,636	143,958	174,430	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	67,885	139,629	169,335	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	65,086	109,434	133,508	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	42,999	90,851	112,918	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	80,297	164,234	201,027	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	67,454	136,319	167,097	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	70,489	128,244	152,912	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	60,700	115,012	135,738	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	50,881	99,969	122,577	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	68,369	106,422	127,979	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	65,791	123,603	148,267	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	62,965	115,403	140,336	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	40,363	86,776	91,996	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
11-9021	Construction Managers	65,797	120,161	135,853	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	27,855	44,424	55,269	No	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	44,233	89,822	108,940	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	52,780	111,371	131,286	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	45,061	82,252	102,182	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9041	Architectural and Engineering Managers	71,078	132,025	166,100	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	24,377	61,664	79,390	No	Yes	Yes	Some college, no degree	No	Yes	Yes
11-9071	Gambling Managers	42,242	71,500	75,099	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	54,239	79,359	84,377	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9111	Medical and Health Services Managers	47,731	118,497	134,092	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	50,242	108,195	142,741	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	78,356	96,528	106,488	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	35,684	62,916	76,378	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	44,592	80,978	96,343	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9161	Emergency Management Directors	63,808	98,754	113,537	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	46,009	89,473	109,480	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	45,436	99,773	127,523	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	37,556	63,434	74,716	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1020	Buyers and Purchasing Agents	38,642	64,253	77,120	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	40,510	64,807	80,648	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	49,398	67,451	78,127	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	33,807	83,470	98,070	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	37,184	71,670	95,449	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	36,457	63,689	77,117	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	18,760	47,576	59,555	No	No	No	Bachelor's degree	No	No	No
13-1081	Logisticians	35,028	64,422	81,589	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	37,719	86,596	103,654	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	24,035	48,094	59,921	No	No	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	21,533	44,982	57,220	No	No	No	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	40,200	56,879	66,991	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	25,506	62,858	77,996	No	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	24,799	66,889	80,677	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	32,083	70,671	91,346	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	46,886	79,962	92,791	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2020	Property Appraisers and Assessors	54,780	82,511	100,527	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2031	Budget Analysts	47,673	73,669	87,712	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	43,856	80,526	90,647	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2052	Personal Financial Advisors	36,228	84,055	102,479	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2053	Insurance Underwriters	31,946	62,570	75,516	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	51,612	85,435	100,259	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
13-2071	Credit Counselors	35,535	49,780	51,783	Yes	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	34,947	68,168	76,834	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	31,144	56,957	76,113	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	18,218	27,334	36,998	No	No	No	Postsecondary nondegree award	No	No	No
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	34,805	64,370	78,214	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	37,125	98,777	120,941	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1212	Information Security Analysts	54,592	92,323	116,264	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	106,604	152,211	175,402	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	27,027	69,309	82,326	No	Yes	Yes	Associate's degree	No	Yes	Yes
15-1232	Computer User Support Specialists	29,098	54,252	63,773	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	56,814	103,090	130,245	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	49,512	88,870	106,480	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1245	Database Administrators and Architects	55,477	105,056	128,780	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	48,657	85,006	102,790	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	56,356	103,647	127,920	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	35,846	69,323	84,777	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 22 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	33,105	71,366	92,618	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2011	Actuaries	83,251	127,873	156,859	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	76,914	115,301	130,393	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	41,558	75,504	90,683	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2041	Statisticians	42,052	69,980	87,594	Yes	Yes	Yes	Master's degree	Yes	No	No
15-2098	Data Scientists and Mathematical Science Occupations, All Other	51,321	129,714	189,702	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	49,998	88,143	100,441	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-1012	Landscape Architects	58,258	82,186	99,691	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1021	Cartographers and Photogrammetrists	47,537	71,144	81,969	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	40,424	72,586	91,312	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	65,815	104,064	137,732	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	47,756	88,097	108,934	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	66,447	95,657	115,460	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	54,647	106,684	134,903	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	45,469	93,850	118,674	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	65,700	104,362	126,031	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	62,507	97,703	117,583	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	77,979	111,259	128,749	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	46,107	80,248	98,536	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	60,096	89,537	105,201	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	39,047	80,060	104,257	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
17-2121	Marine Engineers and Naval Architects	66,163	84,917	98,290	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-2131	Materials Engineers	87,311	96,558	103,291	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	58,710	93,129	112,548	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	80,278	129,017	157,924	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	94,005	118,566	133,921	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	80,802	175,507	215,782	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	44,289	82,636	93,363	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-3011	Architectural and Civil Drafters	37,987	53,703	62,220	Yes	Yes	Yes	Associate's degree	Yes	No	No
17-3012	Electrical and Electronics Drafters	22,758	54,386	69,083	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3013	Mechanical Drafters	38,481	64,321	76,989	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	37,182	63,989	78,331	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	44,469	74,982	96,714	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	36,195	63,787	80,163	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	29,340	57,781	71,323	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	36,246	58,033	67,348	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	29,650	47,756	57,170	Yes	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	39,010	61,114	73,467	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	33,553	57,697	68,636	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3031	Surveying and Mapping Technicians	33,131	45,989	52,925	Yes	No	No	Associate's degree	Yes	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	40,775	56,232	63,769	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
19-1011	Animal Scientists	45,408	70,755	84,701	Yes	Yes	Yes	Master's degree	Yes	No	No
19-1012	Food Scientists and Technologists	51,330	74,730	85,732	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1013	Soil and Plant Scientists	34,772	78,913	107,099	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1021	Biochemists and Biophysicists	48,160	87,245	99,357	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	40,691	57,565	73,372	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	35,416	57,989	65,262	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	37,087	67,802	95,331	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	35,145	63,056	70,466	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1032	Foresters	50,716	82,866	105,985	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-1041	Epidemiologists	69,889	94,143	97,916	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
19-1042	Medical Scientists, Except Epidemiologists	45,818	96,715	128,615	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	55,062	113,914	142,865	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	93,558	159,639	181,262	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	93,558	159,639	181,262	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	64,651	108,104	127,062	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	31,065	61,513	73,311	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	54,243	112,702	146,556	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	36,217	58,894	69,732	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	56,635	98,887	125,632	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	50,328	82,520	113,907	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-2099	Physical Scientists, All Other	51,851	127,958	149,788	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	53,017	73,474	84,439	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3022	Survey Researchers	32,227	78,935	104,074	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3031	Clinical, Counseling, and School Psychologists	19,851	73,697	80,235	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	32,227	78,935	104,074	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	67,823	81,820	83,745	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
19-3041	Sociologists	57,923	82,735	100,361	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3051	Urban and Regional Planners	46,381	75,962	90,472	Yes	Yes	Yes	Master's degree	Yes	No	Yes
19-3091	Anthropologists and Archeologists	35,940	60,315	75,102	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	69,903	91,799	106,258	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	27,269	63,984	93,962	No	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists	68,418	108,803	125,424	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	36,022	71,204	98,057	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4010	Agricultural and Food Science Technicians	18,491	36,758	49,724	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	19,741	43,163	52,928	No	No	No	Bachelor's degree	No	No	No

Workforce Region 22 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
19-4031	Chemical Technicians	30,929	49,827	63,642	Yes	No	Yes	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	22,089	38,295	52,271	No	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	28,743	50,847	61,571	No	No	Yes	Associate's degree	No	No	No
19-4051	Nuclear Technicians	76,914	105,166	119,199	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	19,634	64,716	90,873	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	34,094	51,338	61,385	Yes	No	Yes	Associate's degree	Yes	No	No
19-4092	Forensic Science Technicians	43,983	63,340	72,205	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	19,261	42,286	49,876	No	No	No	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	36,841	67,309	82,060	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	47,236	72,362	86,587	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	22,350	50,145	61,863	No	No	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	36,237	51,565	60,032	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	32,798	45,440	48,937	Yes	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	32,101	47,248	57,134	Yes	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	20,293	38,847	49,197	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	28,081	48,106	59,324	No	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	32,664	52,068	62,722	Yes	No	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	25,728	39,475	47,201	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	34,139	54,510	70,469	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	32,826	66,116	85,521	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	32,634	48,362	54,227	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	26,433	41,310	48,714	No	No	No	Some college, no degree	Yes	No	Yes
21-1094	Community Health Workers	27,785	48,043	59,272	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	33,147	49,037	59,345	Yes	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	29,344	57,193	63,794	No	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	21,314	35,500	44,825	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	19,449	33,351	38,135	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	47,062	172,755	191,069	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
23-1012	Judicial Law Clerks	33,112	56,078	63,438	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	42,427	112,014	137,175	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	45,327	71,862	93,515	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
23-1023	Judges, Magistrate Judges, and Magistrates	159,519	205,069	187,072	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	35,565	59,276	68,029	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
23-2093	Title Examiners, Abstractors, and Searchers	38,097	53,414	61,821	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	26,097	64,269	67,811	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	54,205	93,325	120,745	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	50,989	107,940	135,100	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	46,610	90,849	119,898	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	28,962	99,040	123,590	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	59,147	120,892	148,085	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	60,544	114,198	138,999	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1042	Biological Science Teachers, Postsecondary	46,238	98,363	120,444	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	75,397	123,568	145,333	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	52,146	103,921	128,744	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	57,181	96,168	113,586	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	25,587	82,167	96,452	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	53,326	103,463	130,732	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	63,602	101,661	114,875	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	47,407	87,813	106,662	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	64,978	119,221	140,211	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1064	Geography Teachers, Postsecondary	57,356	95,469	112,450	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	57,869	102,873	115,901	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	19,860	77,577	104,736	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	47,003	88,731	108,191	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	48,215	91,887	121,908	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	62,761	127,390	135,908	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	43,114	74,287	88,873	Yes	Yes	Yes	Master's degree	Yes	No	No
25-1081	Education Teachers, Postsecondary	52,293	86,952	114,084	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	47,931	77,548	91,395	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	32,844	44,663	46,894	Yes	No	No	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	61,374	166,137	220,194	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	40,276	81,643	96,102	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	37,808	78,417	99,245	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	36,848	57,120	64,051	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	28,157	51,439	61,064	No	No	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	66,937	94,837	105,672	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1125	History Teachers, Postsecondary	31,845	90,959	104,598	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	49,307	102,261	120,248	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	46,358	74,741	88,698	Yes	Yes	Yes	Master's degree	Yes	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	36,442	73,409	89,026	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	34,408	51,357	60,026	Yes	No	No	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	25,063	61,025	76,707	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	21,069	33,354	40,219	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	43,365	56,595	63,741	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2021	Elementary School Teachers, Except Special Education	18,435	32,717	45,551	No	No	No	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	38,326	57,519	66,347	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	32,729	64,476	82,353	Yes	Yes	Yes	Bachelor's degree	No	No	No

Workforce Region 22 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	37,628	55,706	64,411	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	47,658	71,236	81,053	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	35,001	67,927	86,405	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	39,968	52,922	59,585	Yes	Yes	No	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	44,797	65,120	76,434	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	45,627	68,866	82,495	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	30,600	56,602	68,811	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	38,749	59,024	65,770	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	19,076	36,123	46,858	No	No	No	Some college, no degree	No	No	No
25-3031	Substitute Teachers, Short-Term	18,593	25,301	29,577	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	26,490	53,872	62,151	No	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	29,846	47,560	55,401	Yes	No	No	Master's degree	No	No	No
25-4012	Curators	37,113	108,275	154,920	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-4013	Museum Technicians and Conservators	37,504	44,403	48,881	Yes	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	29,982	58,147	67,054	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	26,040	35,028	40,371	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	25,938	44,858	53,342	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	35,094	59,212	70,944	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	20,902	41,641	53,730	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	20,304	24,607	24,882	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	21,146	41,216	49,719	No	No	No	Bachelor's degree	No	No	No
27-1011	Art Directors	55,990	93,601	111,997	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	20,029	35,798	42,984	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	22,755	49,571	69,209	No	No	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	43,471	59,916	64,532	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	33,177	93,590	114,416	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	28,787	63,370	76,504	No	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	32,476	43,420	40,201	Yes	No	No	Bachelor's degree	No	No	No
27-1023	Floral Designers	22,043	31,324	36,359	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	21,856	48,040	60,950	No	No	No	Bachelor's degree	No	No	No
27-1025	Interior Designers	18,585	43,405	52,535	No	No	No	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	21,180	32,426	36,704	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	24,692	53,741	66,736	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	23,032	49,876	68,746	No	No	Yes	Bachelor's degree	No	No	No
27-2011	Actors	23,397	48,315	53,744	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	23,961	75,429	86,160	No	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	20,444	77,537	91,210	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	20,429	36,444	42,982	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	26,404	46,653	59,768	No	No	No	Some college, no degree	Yes	Yes	Yes
27-2031	Dancers	21,988	60,422	88,725	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	20,171	42,514	64,563	No	No	Yes	Some college, no degree	No	Yes	Yes
27-2041	Music Directors and Composers	18,517	44,174	60,665	No	No	No	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	36,067	110,926	132,350	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	20,695	28,427	33,079	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	30,320	87,262	141,561	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-3023	News Analysts, Reporters, and Journalists	31,452	69,226	80,300	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	32,288	60,187	72,371	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	26,942	53,333	67,853	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	33,129	49,122	62,128	Yes	No	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	18,854	45,318	58,800	No	No	No	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	19,227	52,148	71,400	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	21,175	55,859	91,799	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	18,720	42,517	67,747	No	No	Yes	Associate's degree	No	No	Yes
27-4011	Audio and Video Technicians	29,937	52,562	67,788	Yes	Yes	Yes	Associate's degree	No	No	Yes
27-4012	Broadcast Technicians	22,802	46,973	56,480	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	25,784	61,713	70,886	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	18,577	35,909	37,586	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	34,269	55,350	70,716	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	29,766	53,274	62,546	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	23,407	79,169	127,771	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	33,993	52,736	63,589	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	90,794	146,417	156,681	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1022	Oral and Maxillofacial Surgeons	69,718	256,626	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1023	Orthodontists	97,806	197,577	227,151	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	87,660	234,653	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	62,543	191,451	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1031	Dietitians and Nutritionists	34,514	58,070	70,598	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	30,284	81,757	124,502	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	81,949	122,605	141,239	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1071	Physician Assistants	50,973	106,059	128,274	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	55,353	75,254	67,987	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1122	Occupational Therapists	51,066	82,212	100,176	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	55,524	85,733	103,091	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	56,728	85,192	96,469	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 22 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
29-1125	Recreational Therapists	37,227	50,308	57,116	Yes	No	No	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	44,988	59,334	66,862	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	44,884	76,173	98,224	Yes	Yes	Yes	Master's degree	Yes	No	Yes
29-1128	Exercise Physiologists	42,450	55,715	63,911	Yes	Yes	Yes	Master's degree	Yes	No	No
29-1129	Therapists, All Other	34,684	56,263	65,852	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	62,025	204,473	137,612	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	No
29-1141	Registered Nurses	53,592	71,952	81,828	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	137,178	157,494	168,241	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	23,916	73,747	108,137	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	57,220	120,727	133,085	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	54,202	74,427	90,905	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	131,872	277,311	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	39,284	163,377	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1216	General Internal Medicine Physicians	55,674	228,996	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	136,203	268,180	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	64,246	172,842	215,378	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1223	Psychiatrists	51,157	161,405	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	121,240	242,683	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	42,812	207,743	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	29,843	65,652	78,248	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	42,331	89,543	84,287	Yes	Yes	Yes	Master's degree	Yes	Yes	No
29-2010	Clinical Laboratory Technologists and Technicians	29,595	54,943	70,929	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	26,316	49,134	68,522	No	No	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	51,238	66,146	77,748	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	56,454	76,581	83,998	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	35,871	56,644	67,658	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	43,890	67,174	79,665	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	25,505	40,366	47,848	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	20,334	30,078	33,358	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	25,789	34,670	39,032	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	25,663	33,484	37,848	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	34,001	48,771	56,840	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	31,929	44,457	50,768	Yes	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	32,769	42,488	48,464	Yes	No	No	Postsecondary nondegree award	Yes	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	36,535	48,298	55,028	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	22,381	37,265	53,638	No	No	No	Postsecondary nondegree award	No	No	Yes
29-2091	Orthotists and Prosthetists	40,559	83,500	98,625	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-2092	Hearing Aid Specialists	31,779	69,183	79,918	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	26,872	47,305	56,382	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-9091	Athletic Trainers	38,212	50,974	54,998	Yes	No	No	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	64,967	88,130	101,584	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	33,740	61,877	82,045	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	19,400	24,309	26,404	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,432	29,705	32,698	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	19,975	28,013	30,783	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	27,924	32,784	34,946	No	No	No	High school diploma or equivalent	Yes	No	No
31-2011	Occupational Therapy Assistants	52,129	66,445	75,492	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	21,284	30,960	35,219	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	32,629	62,450	71,435	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	20,631	31,163	36,475	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	23,239	36,014	40,213	No	No	No	Postsecondary nondegree award	No	No	No
31-9091	Dental Assistants	31,579	44,844	51,877	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
31-9092	Medical Assistants	27,711	37,322	41,235	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	24,046	35,500	40,401	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	28,150	64,559	51,206	No	Yes	No	Postsecondary nondegree award	No	Yes	No
31-9095	Pharmacy Aides	28,715	38,118	42,021	No	No	No	High school diploma or equivalent	Yes	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	23,005	29,832	33,605	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	27,160	35,910	40,302	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	22,370	40,288	52,264	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	37,513	52,321	53,959	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	63,820	105,114	128,177	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	74,143	102,792	118,759	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	23,939	43,148	54,976	No	No	No	Some college, no degree	No	Yes	Yes
33-2011	Firefighters	46,404	69,252	82,576	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	57,167	78,591	90,209	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	32,380	38,277	41,815	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	35,907	51,043	59,136	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	33,592	49,733	59,212	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	49,757	103,770	141,723	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	23,163	31,080	33,570	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	33,118	42,036	48,188	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	53,333	76,441	88,167	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	49,154	70,810	84,068	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	29,628	42,340	47,865	Yes	No	No	Postsecondary nondegree award	Yes	No	No

Workforce Region 22 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	34,650	55,963	63,531	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	26,556	35,554	39,830	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	20,279	27,966	30,987	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	19,896	27,383	30,678	No	No	No	No formal educational credential	No	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	22,994	37,394	42,554	No	No	No	No formal educational credential	Yes	Yes	Yes
33-9093	Transportation Security Screeners	38,129	43,622	45,574	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	19,296	33,794	37,949	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	30,457	53,599	73,676	Yes	Yes	Yes	Associate's degree	No	No	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	21,992	40,678	53,294	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,517	21,260	22,413	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	19,561	29,548	36,188	No	No	No	No formal educational credential	No	Yes	Yes
35-2013	Cooks, Private Household	22,988	32,937	38,637	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	21,860	31,015	34,904	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	21,475	27,245	30,630	No	No	No	No formal educational credential	Yes	No	No
35-2019	Cooks, All Other	20,427	41,518	58,473	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	19,435	26,915	31,514	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,456	23,802	22,624	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,846	22,052	23,433	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,777	28,310	30,274	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	19,111	26,568	30,532	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,785	23,784	25,697	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	19,402	24,623	28,209	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,779	23,121	25,368	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	20,067	25,709	28,853	No	No	No	No formal educational credential	Yes	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	24,166	41,654	50,051	No	No	No	High school diploma or equivalent	No	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	34,643	52,445	63,781	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,598	27,683	31,593	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,374	25,484	28,505	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	23,567	39,861	57,596	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	28,980	40,596	46,939	No	No	No	High school diploma or equivalent	Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	20,889	32,762	38,550	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21,728	36,527	39,993	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	18,964	34,320	44,633	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	28,590	39,140	43,290	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	39,792	48,903	51,739	Yes	No	No	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	25,348	43,102	50,984	No	No	No	Some college, no degree	No	Yes	Yes
39-2011	Animal Trainers	32,478	41,592	42,995	Yes	No	No	High school diploma or equivalent	Yes	No	No
39-2021	Animal Caretakers	19,541	26,594	28,889	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	18,529	23,928	23,314	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	21,514	30,087	33,974	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,445	27,017	29,097	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	20,826	32,675	35,809	No	No	No	No formal educational credential	Yes	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	19,370	28,050	32,002	No	No	No	No formal educational credential	No	No	Yes
39-3091	Amusement and Recreation Attendants	18,710	23,501	26,274	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	28,601	61,484	80,114	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	19,270	24,894	28,782	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	20,695	28,427	33,079	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	37,021	62,161	63,340	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
39-4021	Funeral Attendants	23,261	32,729	34,586	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	26,713	48,168	58,298	No	No	No	Associate's degree	No	No	No
39-5011	Barbers	23,927	34,739	41,335	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,439	29,094	34,583	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	39,762	77,177	89,047	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	20,573	27,416	30,893	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	21,033	28,754	33,177	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	25,631	32,912	37,850	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	18,963	24,400	28,282	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	20,107	30,385	35,573	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	22,392	31,850	33,850	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,514	28,559	33,421	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	19,035	39,062	51,979	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	19,211	32,245	37,439	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	19,614	35,748	41,556	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	19,336	34,480	47,348	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	27,419	49,504	60,268	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	40,438	86,147	105,664	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,109	25,680	25,987	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	23,858	33,252	37,961	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2021	Counter and Rental Clerks	20,271	30,711	36,053	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	21,161	37,579	37,807	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,252	30,155	31,998	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	21,724	49,805	60,675	No	No	No	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	23,191	60,149	68,275	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	35,670	77,875	97,813	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	21,830	44,131	54,265	No	No	No	Some college, no degree	No	Yes	Yes

Workforce Region 22 Wages by Detailed Occupation

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	29,027	66,162	82,623	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	41,098	97,801	122,154	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	23,895	62,577	75,604	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-9011	Demonstrators and Product Promoters	21,936	44,877	58,008	No	No	No	No formal educational credential	Yes	Yes	Yes
41-9012	Models	22,606	42,853	53,894	No	No	No	High school diploma or equivalent	No	No	Yes
41-9021	Real Estate Brokers	29,202	72,972	75,964	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	24,813	66,441	77,782	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	72,639	117,255	143,757	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	20,702	27,870	29,357	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	20,531	30,108	32,707	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	19,963	38,449	40,209	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	34,370	62,155	73,743	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	24,025	35,069	40,571	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	23,783	31,664	32,713	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	32,249	44,633	52,769	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	27,588	38,459	42,143	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	25,890	40,944	49,323	No	No	No	High school diploma or equivalent	No	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	27,446	44,618	51,386	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	20,473	26,470	29,797	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	33,043	45,058	50,987	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	29,527	43,663	50,694	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	27,308	33,564	37,806	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	32,633	43,534	50,650	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	35,002	60,264	75,734	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	31,976	45,725	53,173	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-4031	Court, Municipal, and License Clerks	32,584	44,234	49,564	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	32,396	44,537	50,050	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	24,981	37,359	42,866	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	25,992	37,531	46,062	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	24,433	38,279	45,686	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	21,151	28,187	30,630	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	24,197	50,874	60,480	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-4121	Library Assistants, Clerical	21,067	27,292	30,736	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	29,787	46,343	55,983	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	33,817	38,623	40,876	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	23,304	37,710	44,383	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	26,761	38,594	45,413	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	21,466	32,233	37,575	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	22,158	40,948	53,626	No	No	No	High school diploma or equivalent	No	No	Yes
43-4199	Information and Record Clerks, All Other	29,309	40,743	48,019	No	No	No	High school diploma or equivalent	Yes	No	No
43-5011	Cargo and Freight Agents	28,361	42,640	50,322	No	No	No	High school diploma or equivalent	Yes	No	No
43-5021	Couriers and Messengers	23,404	31,530	36,466	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	36,541	57,406	71,957	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5032	Dispatchers, Except Police, Fire, and Ambulance	26,720	40,427	42,570	No	No	No	High school diploma or equivalent	Yes	No	No
43-5041	Meter Readers, Utilities	26,689	40,452	42,558	No	No	No	High school diploma or equivalent	No	No	No
43-5051	Postal Service Clerks	37,763	53,684	62,999	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,048	53,876	65,032	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	45,238	61,214	64,260	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	25,173	40,853	48,159	No	No	No	Some college, no degree	No	No	No
43-5071	Shipping, Receiving, and Inventory Clerks	24,804	34,771	39,961	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	23,492	34,128	38,865	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	34,122	58,411	72,058	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	33,553	49,319	58,541	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	27,582	37,095	41,135	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	20,797	37,601	46,005	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	22,845	35,870	39,032	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	21,989	30,959	35,341	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	31,419	57,792	63,154	Yes	Yes	Yes	Associate's degree	No	Yes	No
43-9041	Insurance Claims and Policy Processing Clerks	25,468	37,712	43,574	No	No	No	High school diploma or equivalent	No	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	25,157	35,491	40,132	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	19,698	37,095	42,747	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	22,334	34,910	40,101	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	29,060	46,227	61,287	No	No	Yes	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	35,820	60,402	74,010	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	20,161	41,407	49,301	No	No	No	Some college, no degree	No	No	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	34,182	60,894	67,042	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	22,398	40,745	51,546	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	23,884	43,432	49,929	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	28,001	37,021	41,564	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	25,314	36,639	41,881	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	20,608	32,081	42,193	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	22,912	35,208	45,124	No	No	No	No formal educational credential	Yes	Yes	Yes

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45-2099	Agricultural Workers, All Other	21,470	31,670	31,998	No	No	No	No formal educational credential	Yes	Yes	Yes
45-3031	Fishing and Hunting Workers	22,912	35,208	45,124	No	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	39,577	45,190	49,099	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	29,945	41,018	44,982	Yes	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	20,520	39,588	50,410	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	25,216	36,399	42,383	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	21,547	51,753	65,186	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	40,816	66,241	79,563	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	38,299	56,678	66,507	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	35,583	48,647	55,889	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2022	Stonemasons	35,940	43,191	47,592	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	29,671	44,293	50,682	Yes	No	No	Postsecondary nondegree award	Yes	No	No
47-2041	Carpet Installers	20,444	35,612	45,943	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	26,232	43,683	56,897	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	28,569	39,096	44,655	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	28,968	40,900	48,865	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	33,372	44,916	50,290	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	33,565	45,548	55,004	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	20,049	34,405	39,834	No	No	No	No formal educational credential	No	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	32,422	36,644	39,633	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	40,549	51,860	59,796	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	24,757	48,309	61,364	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-2081	Drywall and Ceiling Tile Installers	21,264	28,210	32,306	No	No	No	No formal educational credential	Yes	No	Yes
47-2082	Tapers	20,651	44,906	55,029	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2111	Electricians	27,735	46,269	56,569	No	No	No	Postsecondary nondegree award	No	Yes	Yes
47-2121	Glaziers	32,008	47,554	58,130	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	29,977	43,017	50,574	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	33,521	42,925	48,782	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	28,299	37,246	40,339	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	36,060	52,288	66,933	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	32,556	41,586	47,209	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	28,886	46,029	55,369	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	24,965	41,258	49,919	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	34,542	49,656	57,104	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	22,638	35,809	43,783	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	33,090	44,027	49,758	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2221	Structural Iron and Steel Workers	29,879	48,237	56,995	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	27,859	39,435	44,109	No	No	No	High school diploma or equivalent	Yes	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	24,255	33,308	39,009	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	21,796	30,820	36,725	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	25,582	31,515	36,124	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	22,606	30,829	35,918	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	27,378	33,369	37,306	No	No	No	High school diploma or equivalent	Yes	No	No
47-3016	Helpers--Roofers	26,974	37,349	42,755	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	26,338	32,315	36,033	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	41,878	65,780	79,462	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	52,614	79,020	97,213	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	28,099	42,034	51,633	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	32,058	46,217	51,431	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-4051	Highway Maintenance Workers	24,288	40,192	49,183	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	37,403	52,583	60,293	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	27,153	37,201	41,413	No	No	No	High school diploma or equivalent	Yes	No	No
47-4090	Miscellaneous Construction and Related Workers	27,736	36,836	39,694	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	25,882	37,458	43,803	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	37,534	49,438	55,958	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	27,236	59,201	76,521	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	32,985	43,110	49,416	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-5041	Continuous Mining Machine Operators	39,642	63,089	75,265	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	39,642	63,089	75,265	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	33,494	40,953	43,464	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	37,534	49,438	55,958	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	25,882	37,458	43,803	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	28,896	50,082	58,229	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	38,954	62,019	79,535	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	34,915	65,289	80,023	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	27,005	47,245	59,401	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	33,063	67,822	82,751	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	39,034	65,156	78,219	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	33,082	53,104	66,840	Yes	Yes	Yes	Associate's degree	Yes	No	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	33,668	45,322	52,143	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	35,415	64,223	76,906	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 22 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	36,015	55,705	67,876	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	46,369	78,411	99,575	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	26,974	30,568	32,317	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	26,505	48,051	60,992	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	30,803	46,772	56,393	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	33,214	72,620	93,500	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	32,978	61,532	88,344	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	23,894	40,953	47,221	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	26,528	47,054	57,969	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	36,931	57,776	70,849	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	29,027	46,424	56,285	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	38,516	57,125	67,818	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	39,948	61,265	69,488	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	33,836	55,870	67,592	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	28,023	40,276	47,407	No	No	No	High school diploma or equivalent	Yes	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	30,072	42,151	48,445	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	21,580	26,370	29,479	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	29,890	52,452	66,245	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	21,928	33,167	39,067	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	26,570	44,032	51,797	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	35,640	48,672	57,025	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	19,283	46,546	58,440	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9031	Home Appliance Repairers	28,848	38,110	43,013	No	No	No	Postsecondary nondegree award	Yes	No	No
49-9041	Industrial Machinery Mechanics	34,011	48,616	57,923	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	23,096	38,061	47,720	No	No	No	High school diploma or equivalent	No	No	No
49-9044	Millwrights	35,121	54,800	67,577	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	26,155	37,076	42,056	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	35,336	61,250	79,481	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	35,082	49,961	57,357	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	21,241	45,365	60,053	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	44,354	60,656	70,043	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9063	Musical Instrument Repairers and Tuners	25,937	38,572	43,967	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	23,960	47,844	59,420	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	41,914	62,128	71,203	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	26,090	38,638	45,834	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	49,187	80,540	97,849	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	19,505	27,180	30,228	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	37,065	54,997	55,859	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	29,757	47,791	62,009	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9095	Manufactured Building and Mobile Home Installers	23,327	32,107	35,088	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	33,887	51,355	60,836	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	43,366	72,426	87,191	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	21,796	38,160	49,473	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	21,508	37,322	40,264	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	35,950	62,610	75,164	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	21,044	45,124	58,306	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	20,498	39,151	54,625	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	21,047	29,591	34,497	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	27,968	33,133	34,761	No	No	No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	30,929	41,762	49,287	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2051	Fiberglass Laminators and Fabricators	33,171	44,755	51,329	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	21,218	34,861	42,469	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	21,242	30,561	36,209	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	20,880	34,026	41,536	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	20,698	28,258	35,346	No	No	No	No formal educational credential	Yes	No	Yes
51-3023	Slaughterers and Meat Packers	24,484	31,266	34,324	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	28,001	37,021	41,564	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,507	23,749	25,738	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	21,274	30,698	35,645	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	23,152	29,890	33,527	No	No	No	No formal educational credential	Yes	Yes	Yes
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	25,820	37,305	45,209	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	28,907	39,042	43,202	No	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	29,104	40,046	46,839	No	No	No	High school diploma or equivalent	Yes	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	23,732	34,238	41,179	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	36,617	60,228	73,540	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,349	29,352	36,117	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	25,216	41,641	48,957	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	36,945	48,663	55,226	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 22 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	32,592	46,857	53,058	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	33,548	46,369	53,926	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4052	Pourers and Casters, Metal	28,689	45,288	54,287	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4061	Model Makers, Metal and Plastic	36,617	60,228	73,540	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	32,686	58,262	68,789	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	23,480	41,237	52,332	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	20,662	31,816	36,821	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	27,134	37,174	40,940	No	No	No	High school diploma or equivalent	Yes	No	No
51-4111	Tool and Die Makers	40,244	64,589	78,832	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	30,344	43,568	50,510	Yes	No	No	Postsecondary nondegree award	Yes	No	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	19,316	30,861	38,389	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	24,495	38,124	43,847	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	31,386	50,082	62,303	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	31,233	42,536	46,042	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	28,754	39,325	43,574	No	No	No	High school diploma or equivalent	Yes	No	No
51-4199	Metal Workers and Plastic Workers, All Other	23,272	37,436	42,558	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	25,208	40,298	49,150	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	27,546	38,172	43,710	No	No	No	High school diploma or equivalent	Yes	No	No
51-5113	Print Binding and Finishing Workers	23,826	35,043	41,120	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,869	24,330	27,810	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	20,997	26,044	29,293	No	No	No	No formal educational credential	Yes	No	No
51-6031	Sewing Machine Operators	18,765	26,331	29,802	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	21,634	33,854	40,745	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	20,826	32,609	39,347	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	23,152	31,168	37,130	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	20,965	32,691	39,436	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	28,175	33,974	38,637	No	No	No	High school diploma or equivalent	Yes	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	27,430	33,010	37,486	No	No	No	High school diploma or equivalent	Yes	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	20,826	28,885	32,893	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	23,021	49,416	76,925	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	41,630	75,265	89,670	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	20,564	32,336	34,400	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	26,341	42,613	50,596	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	20,433	30,097	36,770	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	23,386	39,851	49,126	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	19,039	41,746	55,485	No	No	No	High school diploma or equivalent	No	No	Yes
51-7031	Model Makers, Wood	32,686	58,262	68,789	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood	36,617	60,228	73,540	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	26,176	29,730	31,448	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	19,715	34,590	40,690	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	24,943	44,600	62,084	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	76,914	105,166	119,199	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	55,521	88,873	111,413	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	49,187	80,540	97,849	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	42,645	63,668	71,858	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	37,980	53,362	61,950	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	34,804	56,755	69,084	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-8092	Gas Plant Operators	36,148	52,376	62,914	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	33,199	56,023	65,207	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	42,798	65,426	70,078	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	28,039	37,386	40,161	No	No	No	High school diploma or equivalent	Yes	No	No
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	26,952	41,914	50,486	No	No	No	High school diploma or equivalent	Yes	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	23,055	35,954	43,999	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	25,183	36,650	41,531	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	27,142	44,226	53,556	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-9031	Cutters and Trimmers, Hand	22,933	38,714	46,140	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	23,552	36,202	43,153	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	24,415	34,242	38,730	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	25,139	35,995	41,433	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	24,012	49,693	54,964	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	30,093	42,713	42,737	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9081	Dental Laboratory Technicians	26,021	36,702	40,331	No	No	No	Postsecondary nondegree award	No	No	No
51-9082	Medical Appliance Technicians	22,690	32,999	37,548	No	No	No	Postsecondary nondegree award	No	No	No
51-9083	Ophthalmic Laboratory Technicians	19,667	30,689	35,176	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	20,057	31,357	37,711	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	21,536	35,874	46,260	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	26,938	44,805	50,506	No	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians	31,004	45,670	53,544	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes

Workforce Region 22 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	24,676	36,949	36,444	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	27,432	41,564	49,421	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	34,544	59,909	69,094	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	21,787	33,662	38,911	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	26,144	37,895	43,530	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	23,709	40,570	50,126	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	29,576	38,935	41,831	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	20,988	28,308	33,074	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	21,825	31,639	38,955	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	28,645	41,215	50,039	No	No	No	High school diploma or equivalent	Yes	No	No
51-9198	Helpers--Production Workers	20,152	30,949	36,854	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	19,507	30,708	36,282	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	28,927	57,863	76,790	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	33,351	57,807	72,441	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	82,852	222,170	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	76,879	200,602	172,929	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	75,910	133,942	165,995	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	42,282	54,959	63,084	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	42,483	62,997	74,128	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	23,938	31,867	34,586	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,006	26,588	31,480	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	28,033	41,786	50,679	No	No	No	Postsecondary nondegree award	No	No	No
53-3033	Light Truck Drivers	20,504	36,959	45,066	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	26,330	40,177	46,631	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19,535	27,095	30,485	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	19,109	32,075	45,719	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	58,480	73,431	80,890	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	59,015	74,152	84,406	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	37,960	62,019	74,141	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	59,015	74,152	84,406	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	24,451	46,074	64,934	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-4099	Rail Transportation Workers, All Other	31,637	60,446	78,902	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	26,517	53,875	74,288	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	28,883	72,722	96,450	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	58,456	72,455	80,799	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5031	Ship Engineers	51,187	66,852	76,451	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	28,055	43,617	53,555	No	No	No	High school diploma or equivalent	Yes	No	Yes
53-6021	Parking Attendants	19,169	24,706	27,739	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	21,859	30,883	35,341	No	No	No	No formal educational credential	Yes	Yes	Yes
53-6041	Traffic Technicians	38,356	53,674	64,077	Yes	Yes	Yes	Associate's degree	Yes	No	Yes
53-6051	Transportation Inspectors	92,607	127,311	149,289	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	25,152	34,957	39,387	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	25,862	39,359	47,429	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	21,852	37,098	44,502	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	40,896	61,228	71,309	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	37,283	52,616	61,090	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	29,464	45,386	47,702	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	21,588	38,663	46,815	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	19,390	27,349	29,811	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	20,941	32,128	37,341	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	18,605	32,883	40,914	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,904	24,819	25,909	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	20,379	29,480	34,177	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	38,364	71,214	85,618	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	22,169	44,480	52,987	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	27,389	43,453	53,391	No	No	No	High school diploma or equivalent	Yes	No	No
53-7081	Refuse and Recyclable Material Collectors	33,519	43,259	49,744	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	21,852	37,098	44,502	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7199	Material Moving Workers, All Other	26,671	48,772	59,091	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 22 Wages by Detailed Occupation

	Wage Metrics				Number of SOCs by Educational Requirement
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	
0	All Occupations	29,536	52,079	60,994	
1	No formal educational credential	20,065	28,898	31,981	82
2	High school diploma or equivalent	26,695	45,156	53,405	232
3	Some college, no degree	26,056	42,297	48,535	48
4	Postsecondary nondegree award	28,189	44,489	52,762	85
5	Associate's degree	32,549	54,049	63,860	63
6	Bachelor's degree	42,857	84,591	101,947	172
7	Master's degree	41,839	76,270	90,415	42
8	Doctoral or professional degree	60,089	147,392	158,445	63

Wage Summary	Representative Starting Wage		Average Annual Wage		High-Level Wage Threshold	
	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
All Occupations	392	395	439	348	426	361
No formal educational credential	26.8%	73.2%	29.3%	70.7%	25.6%	74.4%
High school diploma or equivalent	56.9%	43.1%	73.3%	26.7%	71.6%	28.4%
Some college, no degree	41.7%	58.3%	29.2%	70.8%	25.0%	75.0%
Postsecondary nondegree award	42.4%	57.6%	34.1%	65.9%	36.5%	63.5%
Associate's degree	42.9%	57.1%	36.5%	63.5%	31.7%	68.3%
Bachelor's degree	54.7%	45.3%	64.0%	36.0%	63.4%	36.6%
Master's degree	47.6%	52.4%	57.1%	42.9%	50.0%	50.0%
Doctoral or professional degree	65.1%	34.9%	71.4%	28.6%	73.0%	27.0%

Workforce Region 23 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	70,653	200,541	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	42,913	112,334	139,963	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	18,290	78,532	109,002	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-2011	Advertising and Promotions Managers	48,776	102,890	124,121	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	58,716	129,517	164,022	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	58,206	147,969	192,064	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	66,259	120,557	142,613	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	44,225	88,336	107,088	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	86,334	155,284	184,893	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	68,738	159,489	206,381	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	54,806	114,659	147,027	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	63,531	128,560	168,683	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	51,669	107,295	137,769	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	73,141	98,110	107,719	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	63,415	125,609	146,529	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	54,074	114,227	140,312	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	40,363	86,776	91,996	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9021	Construction Managers	59,461	114,403	132,308	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	27,515	45,768	53,075	No	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	56,679	97,146	116,156	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	48,653	102,851	121,594	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	45,496	77,715	80,480	Yes	Yes	Yes	Master's degree	Yes	Yes	No
11-9041	Architectural and Engineering Managers	80,217	129,719	157,196	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	40,022	62,375	77,174	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	43,315	81,326	101,949	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	38,065	80,182	96,648	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	53,401	109,871	130,476	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	47,887	93,282	116,616	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	78,356	96,528	106,488	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	29,739	68,500	84,132	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	38,759	72,508	88,254	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9161	Emergency Management Directors	55,733	98,183	119,078	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	46,009	89,473	109,480	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	52,293	107,620	136,400	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	54,703	80,553	93,668	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1020	Buyers and Purchasing Agents	33,521	62,137	76,495	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	37,730	65,622	80,333	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	53,555	75,058	88,010	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	35,499	76,464	98,060	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	36,290	67,936	82,328	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	34,320	64,344	79,865	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	40,363	86,776	91,996	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	42,048	58,066	64,293	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	34,620	59,397	66,676	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	32,890	92,685	101,669	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
13-1121	Meeting, Convention, and Event Planners	30,815	55,958	67,348	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	41,958	65,747	76,467	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	34,593	63,307	77,366	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	32,756	65,611	79,994	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	31,704	65,241	78,816	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	34,838	79,290	97,185	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	43,382	80,909	94,033	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	28,058	59,944	78,090	No	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	51,054	77,964	92,615	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	43,591	75,341	91,271	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2052	Personal Financial Advisors	19,013	105,429	126,385	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	35,651	70,627	85,223	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	53,886	90,407	105,707	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	35,231	49,818	57,060	Yes	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	29,497	80,289	107,145	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2081	Tax Examiners and Collectors, and Revenue Agents	32,735	64,433	85,369	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	18,771	47,063	67,734	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	43,415	85,144	96,970	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	55,787	96,445	115,842	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	46,527	92,045	127,932	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	84,819	97,059	102,406	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	33,591	65,914	82,534	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	28,799	52,301	63,041	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	60,857	113,705	139,946	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	52,739	82,452	96,563	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1245	Database Administrators and Architects	49,997	96,653	125,942	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	47,564	90,267	121,166	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	57,096	95,133	116,591	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	42,350	75,462	94,051	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 23 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	37,917	91,740	111,553	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2011	Actuaries	62,272	109,965	131,792	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	76,914	115,301	130,393	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	44,676	73,291	85,476	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-2041	Statisticians	49,096	83,498	101,186	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	49,489	109,780	134,894	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	46,572	80,663	103,719	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1012	Landscape Architects	41,233	75,394	96,416	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1021	Cartographers and Photogrammetrists	58,470	88,742	108,145	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1022	Surveyors	46,343	93,936	138,668	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2011	Aerospace Engineers	55,155	91,768	113,131	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	47,756	88,097	108,934	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	64,164	87,938	105,199	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	54,647	106,684	134,903	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	35,734	77,214	98,125	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2061	Computer Hardware Engineers	68,957	110,413	132,009	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	55,923	97,115	114,441	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	63,461	109,137	124,233	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	44,619	81,864	103,514	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	46,192	86,814	101,982	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2112	Industrial Engineers	44,343	80,995	100,339	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2121	Marine Engineers and Naval Architects	52,933	87,704	104,850	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	55,211	94,206	114,543	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	42,318	86,181	108,446	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	80,278	129,017	157,924	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	94,005	118,566	133,921	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	80,802	175,507	215,782	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	43,074	76,580	94,020	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-3011	Architectural and Civil Drafters	35,040	57,774	70,630	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	25,406	48,200	55,151	No	No	No	Associate's degree	No	No	No
17-3013	Mechanical Drafters	35,088	59,527	74,058	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	36,386	54,239	61,402	Yes	Yes	No	Associate's degree	Yes	Yes	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	40,316	62,954	74,645	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	29,389	49,127	56,553	No	No	No	Associate's degree	No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	27,965	56,803	72,980	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	34,001	46,477	55,355	Yes	No	No	Associate's degree	Yes	No	No
17-3025	Environmental Engineering Technologists and Technicians	26,820	48,399	65,058	No	No	Yes	Associate's degree	No	No	Yes
17-3026	Industrial Engineering Technologists and Technicians	37,667	59,803	70,854	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	33,055	46,869	58,571	Yes	No	No	Associate's degree	Yes	No	No
17-3031	Surveying and Mapping Technicians	25,614	42,928	54,757	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	37,385	56,893	65,671	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	45,408	70,755	84,701	Yes	Yes	Yes	Master's degree	Yes	No	No
19-1012	Food Scientists and Technologists	22,006	45,267	53,742	No	No	No	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	32,405	50,618	57,312	Yes	No	No	Bachelor's degree	No	No	No
19-1021	Biochemists and Biophysicists	69,516	118,535	171,982	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
19-1022	Microbiologists	42,966	60,714	70,555	Yes	Yes	Yes	Master's degree	Yes	No	No
19-1023	Zoologists and Wildlife Biologists	42,025	77,171	99,419	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-1029	Biological Scientists, All Other	48,455	83,958	98,059	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1031	Conservation Scientists	52,130	76,216	92,746	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1032	Foresters	50,716	82,866	105,985	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-1041	Epidemiologists	35,940	60,315	75,102	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	51,475	90,160	102,787	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
19-1099	Life Scientists, All Other	55,062	113,914	142,865	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	93,558	159,639	181,262	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	93,558	159,639	181,262	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	84,333	104,896	118,659	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	44,323	78,622	103,662	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-2032	Materials Scientists	54,243	112,702	146,556	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	36,891	61,473	74,064	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	48,373	103,481	140,390	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	51,229	104,566	122,880	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	33,259	104,576	137,193	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-3011	Economists	53,238	69,055	64,367	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3022	Survey Researchers	32,227	78,935	104,074	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3031	Clinical, Counseling, and School Psychologists	41,900	78,637	92,962	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	32,227	78,935	104,074	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	42,068	71,667	100,410	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	57,923	82,735	100,361	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3051	Urban and Regional Planners	47,355	81,773	102,333	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3091	Anthropologists and Archeologists	35,940	60,315	75,102	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	69,903	91,799	106,258	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	27,269	63,984	93,962	No	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists	71,317	103,778	116,614	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	73,278	102,146	119,857	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	27,087	35,587	38,951	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	33,873	51,882	61,651	Yes	No	No	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	33,022	54,245	65,964	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4042	Environmental Science and Protection Technicians, Including Health	28,569	50,967	58,262	No	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	28,743	50,847	61,571	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	76,914	105,166	119,199	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	29,442	58,742	68,112	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	34,094	51,338	61,385	Yes	No	No	Associate's degree	Yes	No	No
19-4092	Forensic Science Technicians	42,282	64,176	76,878	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	29,241	47,199	59,144	No	No	No	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	35,569	67,639	81,676	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	38,151	71,218	93,847	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	33,698	57,276	71,361	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	33,085	46,091	49,736	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	20,762	35,094	42,951	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	28,910	48,913	56,227	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	24,054	37,907	43,347	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	33,410	54,619	64,292	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	35,040	52,206	61,514	Yes	No	No	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	28,026	43,219	50,297	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	32,882	48,683	50,730	Yes	No	No	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	37,715	74,638	82,401	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	32,635	41,101	46,349	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	21,855	35,796	40,925	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	23,392	41,053	50,701	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	33,182	46,005	52,346	Yes	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	33,383	70,002	92,821	Yes	Yes	Yes	Master's degree	No	No	Yes
21-2021	Directors, Religious Activities and Education	23,213	39,088	44,658	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	25,617	61,109	80,561	No	Yes	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	60,536	173,306	191,069	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-1012	Judicial Law Clerks	33,112	56,078	63,438	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	56,359	97,647	113,375	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	59,234	94,547	106,779	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	134,975	180,633	181,360	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	32,832	52,962	63,468	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
23-2093	Title Examiners, Abstractors, and Searchers	31,594	54,461	67,950	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	29,131	47,014	52,226	No	No	No	Associate's degree	No	No	No
25-1011	Business Teachers, Postsecondary	39,088	74,095	108,996	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	56,948	103,933	124,259	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	46,610	90,849	119,898	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	28,962	99,040	123,590	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	64,965	109,553	129,739	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	60,544	114,198	138,999	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1042	Biological Science Teachers, Postsecondary	51,072	105,685	126,419	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	75,397	123,568	145,333	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	52,146	103,921	128,744	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	55,073	89,946	105,207	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	25,587	82,167	96,452	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	57,689	98,416	120,906	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	63,602	101,661	114,875	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	47,407	87,813	106,662	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	70,139	101,296	113,246	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1064	Geography Teachers, Postsecondary	58,809	96,982	108,462	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1065	Political Science Teachers, Postsecondary	57,869	102,873	115,901	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	45,867	89,113	106,324	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	47,003	88,731	108,191	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	62,988	101,954	122,565	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1071	Health Specialties Teachers, Postsecondary	52,378	92,534	105,227	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	73,442	166,554	135,908	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	44,122	75,366	112,391	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	45,398	64,859	76,512	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	52,745	108,017	120,577	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	44,512	140,419	181,893	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	40,276	81,643	96,102	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	37,992	95,446	119,426	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	40,023	71,167	89,060	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	39,950	91,583	119,173	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	69,316	99,745	120,350	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1125	History Teachers, Postsecondary	31,845	90,959	104,598	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	70,035	105,072	126,285	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	46,358	74,741	88,698	Yes	Yes	Yes	Master's degree	Yes	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	36,442	73,409	89,026	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	35,572	65,246	78,190	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	18,944	40,160	52,534	No	No	No	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	19,702	29,872	33,188	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	41,669	63,656	76,224	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	33,290	59,815	75,483	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	42,162	70,080	84,487	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	32,729	64,476	82,353	Yes	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	54,005	69,866	80,048	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	47,658	71,236	81,053	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	58,648	82,617	99,124	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	54,044	68,991	79,703	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2057	Special Education Teachers, Middle School	45,219	69,160	81,637	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	52,963	77,179	92,321	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	33,095	42,249	39,888	Yes	No	No	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	27,623	48,029	62,139	No	No	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	19,263	36,606	43,814	No	No	No	Some college, no degree	No	No	No
25-3031	Substitute Teachers, Short-Term	19,032	27,467	30,920	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	22,668	47,275	55,189	No	No	No	Bachelor's degree	No	No	No
25-4011	Archivists	31,523	47,272	54,839	Yes	No	No	Master's degree	No	No	No
25-4012	Curators	22,646	51,605	61,250	No	No	No	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	30,636	49,419	60,482	Yes	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	31,240	64,280	80,472	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	25,423	33,475	38,814	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	21,794	38,982	47,220	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	35,465	65,114	82,336	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	18,984	35,589	45,218	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	20,414	30,732	33,931	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	23,608	56,112	76,539	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	58,026	104,383	113,598	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	20,029	35,798	42,984	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,870	55,513	71,781	No	Yes	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	42,424	57,552	64,346	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1019	Artists and Related Workers, All Other	84,008	98,499	106,241	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	43,601	62,786	73,676	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	53,809	61,391	66,079	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1023	Floral Designers	20,752	33,650	37,614	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	32,908	55,237	69,266	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	23,263	58,933	69,829	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	20,684	30,994	35,189	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	48,811	56,864	61,303	Yes	Yes	No	Bachelor's degree	Yes	No	No
27-1029	Designers, All Other	32,930	48,772	67,706	Yes	No	Yes	Bachelor's degree	No	No	No
27-2011	Actors	27,685	40,768	45,302	No	No	No	Some college, no degree	Yes	No	No
27-2012	Producers and Directors	39,769	79,502	94,669	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	20,444	77,537	91,210	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	21,994	50,097	61,999	No	No	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	19,335	29,220	31,495	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	21,988	60,422	88,725	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	20,171	42,514	64,563	No	No	Yes	Some college, no degree	No	Yes	Yes
27-2041	Music Directors and Composers	21,607	54,126	63,562	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,574	89,856	122,221	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	20,695	28,427	33,079	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	19,796	56,559	65,295	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	33,422	81,605	92,885	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	33,279	56,082	69,527	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	30,237	73,910	84,979	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	40,823	62,521	76,954	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	28,050	58,019	67,693	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	20,941	39,415	59,154	No	No	No	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	32,629	50,120	59,424	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
27-3099	Media and Communication Workers, All Other	27,076	49,591	60,057	No	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	29,947	50,291	61,790	Yes	No	Yes	Associate's degree	No	No	No
27-4012	Broadcast Technicians	22,210	48,989	56,560	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	25,303	57,600	65,722	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	19,796	63,166	92,448	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	32,669	55,474	65,576	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	33,705	55,577	66,681	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	27,007	88,742	115,213	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	68,654	101,945	123,178	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1021	Dentists, General	118,718	250,745	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	69,718	256,626	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1023	Orthodontists	97,806	197,577	227,151	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	87,660	234,653	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	62,543	191,451	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1031	Dietitians and Nutritionists	46,809	62,936	72,104	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041	Optometrists	47,472	105,970	129,228	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	100,794	119,371	132,463	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1071	Physician Assistants	43,447	95,405	123,493	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	47,862	94,423	121,715	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1122	Occupational Therapists	45,608	78,809	97,658	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	28,614	80,221	102,692	No	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	59,965	85,463	102,980	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 23 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
29-1125	Recreational Therapists	35,826	62,805	82,693	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	48,606	61,078	67,325	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	57,635	89,846	106,078	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	38,342	48,321	49,732	Yes	No	No	Master's degree	No	No	No
29-1129	Therapists, All Other	30,095	52,865	62,868	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	86,469	114,723	143,590	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	52,816	72,556	84,433	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	138,883	233,484	198,942	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	23,916	73,747	108,137	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	42,805	82,038	108,956	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	64,908	86,540	105,187	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1211	Anesthesiologists	103,419	303,443	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	112,855	189,572	209,069	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1216	General Internal Medicine Physicians	43,059	122,407	191,550	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1218	Obstetricians and Gynecologists	105,585	268,381	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	66,476	146,642	186,290	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1223	Psychiatrists	44,123	129,253	210,453	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	41,960	180,710	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	56,799	267,371	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	29,867	53,330	71,517	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	24,538	54,754	61,812	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	29,099	54,731	68,784	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	26,733	48,360	66,890	No	No	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	29,789	62,833	77,555	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2033	Nuclear Medicine Technologists	58,881	78,648	91,258	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	40,224	59,318	69,642	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	51,834	68,748	78,812	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	20,957	31,104	37,005	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	21,198	33,696	35,479	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	28,127	36,036	39,289	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2053	Psychiatric Technicians	26,160	35,895	39,692	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	28,157	46,351	55,568	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	20,817	35,765	40,141	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	28,639	44,672	50,286	No	No	No	Postsecondary nondegree award	Yes	Yes	No
29-2061	Licensed Practical and Licensed Vocational Nurses	38,558	49,071	55,077	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	21,231	34,767	47,625	No	No	No	Postsecondary nondegree award	No	No	No
29-2091	Orthotists and Prosthetists	37,727	69,762	94,164	Yes	Yes	Yes	Master's degree	No	No	Yes
29-2092	Hearing Aid Specialists	31,779	69,183	79,918	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	26,568	48,360	60,679	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-9091	Athletic Trainers	33,664	54,955	66,453	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	54,537	71,169	81,928	Yes	Yes	Yes	Master's degree	Yes	No	No
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	28,376	56,016	71,395	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	19,332	25,211	28,941	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,056	28,321	31,989	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	21,394	28,409	31,615	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	27,924	32,784	34,946	No	No	No	High school diploma or equivalent	Yes	No	No
31-2011	Occupational Therapy Assistants	56,796	72,925	84,855	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	21,284	30,960	35,219	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	28,283	55,846	68,564	No	Yes	Yes	Associate's degree	No	Yes	Yes
31-2022	Physical Therapist Aides	18,469	26,135	31,059	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	19,846	38,540	48,180	No	No	No	Postsecondary nondegree award	No	No	No
31-9091	Dental Assistants	23,993	37,061	43,049	No	No	No	Postsecondary nondegree award	No	No	No
31-9092	Medical Assistants	27,494	36,801	41,083	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	25,327	35,452	39,882	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	21,134	28,161	25,626	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	25,975	31,833	36,291	No	No	No	High school diploma or equivalent	Yes	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	26,621	37,874	45,383	No	No	No	High school diploma or equivalent	Yes	No	No
31-9097	Phlebotomists	26,310	33,855	38,161	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	19,882	41,551	52,999	No	No	No	High school diploma or equivalent	No	No	Yes
33-1011	First-Line Supervisors of Correctional Officers	35,062	60,666	88,289	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	75,561	109,440	128,683	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	69,083	97,369	110,873	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	27,445	51,484	63,909	No	No	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	43,495	68,563	81,284	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	45,951	60,807	64,712	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	32,380	38,277	41,815	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	35,907	51,043	59,136	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	33,300	51,920	64,243	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	48,154	96,099	137,663	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	23,163	31,080	33,570	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	32,402	52,515	55,644	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	48,011	70,807	82,767	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	49,154	70,810	84,068	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	29,628	42,340	47,865	Yes	No	No	Postsecondary nondegree award	Yes	No	No

Workforce Region 23 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	34,350	63,154	78,045	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	25,831	35,557	40,172	No	No	No	High school diploma or equivalent	Yes	No	No
33-9032	Security Guards	20,467	30,873	33,671	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	21,833	28,484	31,360	No	No	No	No formal educational credential	Yes	Yes	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	23,027	36,579	45,883	No	No	No	No formal educational credential	Yes	Yes	Yes
33-9093	Transportation Security Screeners	38,141	45,073	47,600	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	21,541	38,250	45,582	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	29,169	53,121	66,869	No	Yes	Yes	Associate's degree	No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	22,139	38,261	47,024	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,561	21,609	23,413	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	20,106	29,349	33,980	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2013	Cooks, Private Household	22,988	32,937	38,637	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	21,379	31,707	36,413	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	21,225	27,618	31,080	No	No	No	No formal educational credential	Yes	No	No
35-2019	Cooks, All Other	27,074	36,371	41,159	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	20,212	28,383	32,247	No	No	No	No formal educational credential	Yes	No	Yes
35-3011	Bartenders	18,571	23,769	22,756	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,712	22,974	25,070	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,650	25,702	29,395	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	18,783	26,061	29,755	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,748	22,667	24,349	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	19,237	23,634	25,557	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	19,205	26,144	29,576	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	21,162	27,339	31,090	No	No	No	No formal educational credential	Yes	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	25,810	39,320	45,374	No	No	No	High school diploma or equivalent	Yes	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	27,008	49,053	61,969	No	No	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,115	25,585	27,899	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,560	24,677	27,157	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	23,567	39,861	57,596	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	25,254	38,847	47,439	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	19,363	28,717	32,666	No	No	No	No formal educational credential	No	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	26,771	35,229	39,329	No	No	No	High school diploma or equivalent	Yes	No	No
37-3013	Tree Trimmers and Pruners	27,295	39,844	52,153	No	No	No	High school diploma or equivalent	Yes	No	No
37-3019	Grounds Maintenance Workers, All Other	22,344	39,505	60,619	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	33,048	49,490	59,264	Yes	No	No	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	27,785	45,985	55,585	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	21,905	37,021	42,224	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	20,201	31,087	32,503	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	18,456	22,983	24,468	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	21,514	30,087	33,974	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	22,026	30,831	32,644	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	20,826	32,675	35,809	No	No	No	No formal educational credential	Yes	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	19,807	26,341	29,357	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,941	23,742	25,642	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	28,601	61,484	80,114	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	22,059	28,524	31,319	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	20,695	28,427	33,079	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	33,638	43,327	49,540	Yes	No	No	Associate's degree	Yes	No	No
39-4021	Funeral Attendants	20,664	25,625	25,988	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	34,586	59,944	66,955	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
39-5011	Barbers	23,927	34,739	41,335	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,861	26,438	29,652	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	39,762	77,177	89,047	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	20,310	25,207	25,591	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	19,634	27,715	31,025	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	22,583	38,317	47,133	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	18,813	26,257	30,844	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	21,700	29,478	32,061	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	24,861	31,265	33,274	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	18,845	25,864	29,134	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	18,724	39,045	48,457	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	19,331	28,582	32,739	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	26,939	32,604	33,594	No	No	No	Some college, no degree	Yes	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	18,775	26,158	29,268	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	25,357	48,423	60,637	No	No	No	Some college, no degree	No	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	44,127	89,180	106,444	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,080	23,880	25,603	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	21,380	30,405	36,573	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2021	Counter and Rental Clerks	20,187	28,767	32,551	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	18,892	33,843	38,980	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,226	29,142	32,163	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	21,623	55,819	70,170	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	25,812	63,768	58,218	No	Yes	No	Postsecondary nondegree award	No	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	34,191	82,307	94,753	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	23,713	42,834	50,920	No	No	No	Some college, no degree	No	Yes	Yes

Workforce Region 23 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	26,567	67,900	80,611	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	28,614	84,018	119,689	No	Yes	Yes	Bachelor's degree	No	No	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	25,721	59,571	72,559	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	20,625	55,642	77,928	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
41-9012	Models	22,606	42,853	53,894	No	No	No	High school diploma or equivalent	No	No	Yes
41-9021	Real Estate Brokers	29,202	72,972	75,964	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	21,608	72,092	80,377	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	56,715	107,651	134,445	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	20,977	35,349	40,897	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	20,531	30,108	32,707	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,968	42,575	51,465	No	No	No	Some college, no degree	No	Yes	Yes
43-1011	First-Line Supervisors of Office and Administrative Support Workers	35,102	62,858	73,825	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	21,287	29,383	32,204	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	26,334	31,549	31,513	No	No	No	High school diploma or equivalent	Yes	No	No
43-2099	Communications Equipment Operators, All Other	32,249	44,633	52,769	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-3011	Bill and Account Collectors	28,950	40,053	43,544	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	27,966	38,798	43,938	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	26,529	43,273	51,146	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	19,105	26,773	30,631	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	28,940	43,132	50,114	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	33,485	45,263	51,589	Yes	No	No	Associate's degree	Yes	No	No
43-3071	Tellers	25,895	34,435	39,021	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	37,746	52,436	61,175	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	36,359	57,469	65,083	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	33,520	44,251	50,516	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-4031	Court, Municipal, and License Clerks	33,533	45,540	50,404	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	43,969	58,833	63,077	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	21,329	34,984	40,085	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	27,937	35,071	36,238	No	No	No	High school diploma or equivalent	Yes	No	No
43-4071	File Clerks	25,726	40,912	48,652	No	No	No	High school diploma or equivalent	Yes	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	21,159	28,130	31,155	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	19,368	44,167	54,658	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-4121	Library Assistants, Clerical	20,969	28,357	32,154	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	18,481	38,519	52,026	No	No	No	High school diploma or equivalent	No	No	No
43-4141	New Accounts Clerks	36,883	53,098	51,532	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	No
43-4151	Order Clerks	23,165	33,425	38,577	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	26,288	39,481	47,169	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	21,289	29,646	34,073	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	25,874	42,112	54,808	No	No	No	High school diploma or equivalent	Yes	No	Yes
43-4199	Information and Record Clerks, All Other	31,385	45,016	52,101	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-5011	Cargo and Freight Agents	26,752	44,934	50,919	No	No	No	High school diploma or equivalent	Yes	Yes	No
43-5021	Couriers and Messengers	19,751	29,884	35,165	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	33,998	52,919	63,345	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5032	Dispatchers, Except Police, Fire, and Ambulance	21,320	36,714	42,319	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	27,406	39,395	45,333	No	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,759	51,222	62,994	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,047	53,158	65,031	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	35,384	51,064	62,732	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	22,078	41,340	52,785	No	No	No	Some college, no degree	No	No	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	21,167	33,126	38,448	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	23,817	35,195	40,266	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	35,970	59,412	71,828	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	30,160	51,948	66,692	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	25,972	34,437	38,884	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	20,647	36,671	44,567	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	22,453	33,532	39,730	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	27,001	40,250	48,342	No	No	No	High school diploma or equivalent	Yes	No	No
43-9031	Desktop Publishers	31,419	57,792	63,154	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
43-9041	Insurance Claims and Policy Processing Clerks	19,255	37,172	45,074	No	No	No	High school diploma or equivalent	No	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	24,893	33,367	37,603	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	19,393	35,670	43,917	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	18,658	26,900	31,769	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	29,060	46,227	61,287	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	35,820	60,402	74,010	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	33,546	51,912	68,096	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	39,441	83,271	139,245	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	23,440	43,529	67,633	No	No	Yes	Bachelor's degree	No	No	No
45-2021	Animal Breeders	23,884	43,432	49,929	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	18,323	20,577	20,146	No	No	No	No formal educational credential	No	No	No
45-2091	Agricultural Equipment Operators	25,314	36,639	41,881	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	19,232	23,828	24,720	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	22,912	35,208	45,124	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 23 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	21,470	31,670	31,998	No	No	No	No formal educational credential	Yes	Yes	Yes
45-3031	Fishing and Hunting Workers	22,912	35,208	45,124	No	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	39,577	45,190	49,099	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	29,945	41,018	44,982	Yes	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	20,520	39,588	50,410	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	25,216	36,399	42,383	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	21,547	51,753	65,186	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	39,047	67,135	82,829	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	38,299	56,678	66,507	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	42,369	51,611	58,878	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2022	Stonemasons	35,940	43,191	47,592	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	27,942	43,312	51,512	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	20,444	35,612	45,943	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	26,232	43,683	56,897	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	28,569	39,096	44,655	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	32,130	37,717	40,027	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	19,152	38,563	47,764	No	No	No	No formal educational credential	No	Yes	Yes
47-2053	Terrazzo Workers and Finishers	37,152	48,914	55,008	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	21,870	34,358	39,291	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	26,392	40,529	47,963	No	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	41,180	58,772	63,722	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	33,077	48,342	58,162	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2081	Drywall and Ceiling Tile Installers	21,551	32,398	38,013	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	20,651	44,906	55,029	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2111	Electricians	27,976	48,466	61,986	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	22,895	37,784	46,438	No	No	No	High school diploma or equivalent	No	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	27,821	37,059	43,057	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	31,954	43,563	50,388	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	25,678	36,917	41,246	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	36,060	52,288	66,933	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	33,222	40,812	45,939	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	27,863	46,972	56,437	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	24,965	41,258	49,919	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	34,542	49,656	57,104	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	28,251	43,102	51,710	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	25,355	40,089	48,049	No	No	No	High school diploma or equivalent	No	No	No
47-2221	Structural Iron and Steel Workers	30,871	45,276	55,252	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	27,859	39,435	44,109	No	No	No	High school diploma or equivalent	Yes	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	24,255	33,308	39,009	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	23,467	34,380	39,653	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	24,369	35,474	44,842	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	22,606	30,829	35,918	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	25,346	32,811	37,925	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	26,974	37,349	42,755	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	22,434	34,636	42,019	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	19,005	57,849	77,451	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	55,172	82,777	99,504	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	27,888	38,201	44,115	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	27,072	41,744	51,831	No	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	20,541	36,927	40,571	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	37,403	52,583	60,293	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	28,164	41,794	45,124	No	No	No	High school diploma or equivalent	Yes	No	No
47-4090	Miscellaneous Construction and Related Workers	28,120	34,626	37,900	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	25,882	37,458	43,803	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	37,534	49,438	55,958	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	27,236	59,201	76,521	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	35,165	49,258	56,273	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5041	Continuous Mining Machine Operators	39,642	63,089	75,265	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining	39,642	63,089	75,265	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-5044	Loading and Moving Machine Operators, Underground Mining	39,642	63,089	75,265	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	33,494	40,953	43,464	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	37,534	49,438	55,958	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	25,882	37,458	43,803	No	No	No	High school diploma or equivalent	Yes	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	28,896	50,082	58,229	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	38,954	62,019	79,535	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	34,471	65,141	80,917	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	24,165	38,431	44,990	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	34,236	63,067	80,453	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	39,709	62,354	75,299	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	29,069	52,781	66,073	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	27,151	40,913	52,589	No	No	No	High school diploma or equivalent	Yes	No	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	34,005	50,488	60,056	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 23 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	35,680	55,092	64,894	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	46,369	78,411	99,575	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	24,342	40,825	50,166	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	28,366	39,143	45,855	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2098	Security and Fire Alarm Systems Installers	33,684	47,435	56,603	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	30,289	68,975	93,910	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-3021	Automotive Body and Related Repairers	29,029	50,771	57,386	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	18,896	32,914	39,838	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	19,621	45,130	57,605	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	31,193	53,582	66,237	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	29,027	46,424	56,285	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	34,174	52,282	63,589	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	39,948	61,265	69,488	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	28,309	53,142	69,663	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	28,023	40,276	47,407	No	No	No	High school diploma or equivalent	Yes	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	29,383	43,428	51,782	No	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	24,408	32,860	37,382	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	29,890	52,452	66,245	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	25,965	31,897	34,918	No	No	No	High school diploma or equivalent	Yes	No	No
49-9011	Mechanical Door Repairers	20,698	30,626	34,767	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	39,343	53,324	62,388	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	30,883	45,496	52,299	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	35,148	44,786	49,951	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9041	Industrial Machinery Mechanics	27,456	46,485	57,530	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9043	Maintenance Workers, Machinery	25,303	46,081	57,045	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9044	Millwrights	35,121	54,800	67,577	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	26,155	37,076	42,056	No	No	No	High school diploma or equivalent	Yes	No	No
49-9051	Electrical Power-Line Installers and Repairers	34,793	58,452	73,058	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	29,666	47,054	49,911	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9061	Camera and Photographic Equipment Repairers	21,241	45,365	60,053	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	23,733	60,023	77,882	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-9063	Musical Instrument Repairers and Tuners	25,937	38,572	43,967	No	No	No	High school diploma or equivalent	Yes	No	No
49-9064	Watch and Clock Repairers	30,009	60,683	71,143	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	41,914	62,128	71,203	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	23,404	38,014	42,542	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	49,187	80,540	97,849	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	20,020	29,403	32,568	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	37,065	54,997	55,859	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	19,345	36,008	48,371	No	No	No	High school diploma or equivalent	No	No	No
49-9095	Manufactured Building and Mobile Home Installers	23,327	32,107	35,088	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	34,544	51,571	61,065	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	43,366	72,426	87,191	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	20,834	30,106	36,057	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	25,344	45,678	57,979	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-1011	First-Line Supervisors of Production and Operating Workers	34,052	59,780	73,196	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	25,568	46,796	57,859	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	20,498	39,151	54,625	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	20,339	30,484	36,524	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	27,968	33,133	34,761	No	No	No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	22,733	31,376	35,970	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	23,534	32,528	37,597	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters	29,955	38,517	44,404	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2090	Miscellaneous Assemblers and Fabricators	19,530	29,505	34,015	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	19,745	30,943	37,367	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	18,962	32,214	41,464	No	No	No	No formal educational credential	No	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	26,882	33,157	37,607	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	24,484	31,266	34,324	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	28,001	37,021	41,564	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	20,097	26,876	29,971	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	21,274	30,698	35,645	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	21,864	27,930	30,821	No	No	No	No formal educational credential	Yes	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	22,578	32,606	38,363	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	28,907	39,042	43,202	No	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	29,104	40,046	46,839	No	No	No	High school diploma or equivalent	Yes	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	19,922	29,274	33,009	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	36,617	60,228	73,540	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,197	29,621	35,844	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	25,216	41,641	48,957	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	36,945	48,663	55,226	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 23 Wages by Detailed Occupation

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	29,460	46,255	55,375	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	33,548	46,369	53,926	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4052	Pourers and Casters, Metal	28,689	45,288	54,287	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4061	Model Makers, Metal and Plastic	36,617	60,228	73,540	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	32,686	58,262	68,789	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	23,480	41,237	52,332	No	No	No	High school diploma or equivalent	No	No	Yes
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	18,909	30,356	36,627	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,176	32,957	38,137	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	31,355	61,024	67,958	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	28,506	44,395	50,907	No	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	27,045	36,893	43,125	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	19,647	37,427	45,808	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	31,386	50,082	62,303	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	27,608	35,724	40,404	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	28,754	39,325	43,574	No	No	No	High school diploma or equivalent	Yes	No	No
51-4199	Metal Workers and Plastic Workers, All Other	18,936	35,124	43,572	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	21,847	42,252	51,164	No	No	No	Postsecondary nondegree award	No	No	Yes
51-5112	Printing Press Operators	19,130	31,579	39,604	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	25,949	36,247	44,784	No	No	No	High school diploma or equivalent	Yes	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,964	23,344	25,321	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	19,293	24,037	26,861	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	19,143	25,302	28,646	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	21,634	33,854	40,745	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	20,826	32,609	39,347	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	23,152	31,168	37,130	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	18,712	24,132	24,114	No	No	No	No formal educational credential	No	No	No
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	28,175	33,974	38,637	No	No	No	High school diploma or equivalent	Yes	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	26,046	33,911	39,208	No	No	No	High school diploma or equivalent	Yes	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	20,826	28,885	32,893	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	19,919	34,937	38,360	No	No	No	High school diploma or equivalent	No	No	No
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	41,630	75,265	89,670	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	18,707	25,092	26,742	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	27,122	41,306	49,768	No	No	No	High school diploma or equivalent	Yes	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	18,426	21,650	20,008	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	25,362	38,541	48,044	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	26,497	36,658	39,710	No	No	No	High school diploma or equivalent	Yes	No	No
51-7031	Model Makers, Wood	32,686	58,262	68,789	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood	36,617	60,228	73,540	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	23,887	32,994	36,811	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	24,333	38,163	46,280	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	24,943	44,600	62,084	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-8011	Nuclear Power Reactor Operators	76,914	105,166	119,199	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	55,521	88,873	111,413	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	45,339	69,197	82,124	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	52,982	64,134	71,327	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	30,029	51,924	63,688	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	34,804	56,755	69,084	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-8092	Gas Plant Operators	36,148	52,376	62,914	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	33,199	56,023	65,207	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	42,277	61,531	66,046	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	33,860	39,188	41,324	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	25,799	38,413	46,455	No	No	No	High school diploma or equivalent	Yes	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	26,791	34,122	38,702	No	No	No	High school diploma or equivalent	Yes	No	No
51-9022	Grinding and Polishing Workers, Hand	22,071	30,742	34,922	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	23,224	39,362	45,188	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	22,933	38,714	46,140	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	21,384	28,619	31,940	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	25,328	37,275	39,682	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	22,814	30,534	35,400	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	22,361	43,594	55,059	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	20,792	40,275	55,344	No	No	No	High school diploma or equivalent	No	No	Yes
51-9081	Dental Laboratory Technicians	27,516	48,409	59,601	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9082	Medical Appliance Technicians	22,548	43,560	56,384	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	21,099	31,518	37,628	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	18,874	25,978	29,918	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,317	29,983	32,380	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	24,749	41,029	51,727	No	No	No	High school diploma or equivalent	No	No	No
51-9141	Semiconductor Processing Technicians	31,004	45,670	53,544	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes

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51-9151	Photographic Process Workers and Processing Machine Operators	26,417	45,900	55,008	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9161	Computer Numerically Controlled Tool Operators	19,861	38,887	46,866	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	42,338	56,733	65,470	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	20,721	30,041	36,232	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	26,144	37,895	43,530	No	No	No	High school diploma or equivalent	Yes	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	23,709	40,570	50,126	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	22,451	36,755	48,944	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	27,224	35,157	38,725	No	No	No	High school diploma or equivalent	Yes	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	21,605	39,521	55,743	No	No	No	High school diploma or equivalent	No	No	Yes
51-9197	Tire Builders	28,645	41,215	50,039	No	No	No	High school diploma or equivalent	Yes	No	No
51-9198	Helpers--Production Workers	19,800	28,425	31,614	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	18,936	26,377	28,133	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	46,403	71,840	81,067	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	31,193	59,304	74,049	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	140,654	245,484	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	31,364	99,533	153,348	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	81,334	140,819	164,148	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	30,218	47,981	59,726	Yes	No	No	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	33,636	63,602	73,464	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	22,060	27,526	30,485	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,866	25,996	31,417	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	26,650	39,824	46,769	No	No	No	Postsecondary nondegree award	No	No	No
53-3033	Light Truck Drivers	19,029	34,467	40,457	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	32,061	45,841	56,970	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19,979	28,881	31,870	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	22,707	33,529	39,673	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	58,480	73,431	80,890	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	59,015	74,152	84,406	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	37,960	62,019	74,141	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	59,015	74,152	84,406	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	24,451	46,074	64,934	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-4099	Rail Transportation Workers, All Other	31,637	60,446	78,902	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	26,035	44,939	53,249	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	19,440	55,287	75,114	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	18,832	43,681	51,734	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	54,125	84,222	101,844	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	28,055	43,617	53,555	No	No	No	High school diploma or equivalent	Yes	No	Yes
53-6021	Parking Attendants	19,188	25,455	29,500	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	20,638	31,894	42,249	No	No	No	No formal educational credential	Yes	Yes	Yes
53-6041	Traffic Technicians	43,572	70,253	86,579	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-6051	Transportation Inspectors	38,060	72,547	95,087	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	18,688	22,339	23,042	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	22,980	33,238	39,329	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,179	29,987	36,034	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	33,282	60,365	78,822	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	37,283	52,616	61,090	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	29,464	45,386	47,702	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	24,068	33,966	37,994	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	19,845	28,068	30,950	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,291	36,469	40,910	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	18,626	24,027	23,817	No	No	No	No formal educational credential	No	No	No
53-7064	Packers and Packagers, Hand	19,544	25,219	27,028	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	19,595	27,618	31,297	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	38,364	71,214	85,618	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	20,025	41,286	50,874	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	27,389	43,453	53,391	No	No	No	High school diploma or equivalent	Yes	No	Yes
53-7081	Refuse and Recyclable Material Collectors	32,853	44,726	51,088	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	21,852	37,098	44,502	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7199	Material Moving Workers, All Other	24,834	46,533	59,201	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 23 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	29,420	52,382	61,659	
1	No formal educational credential	19,973	28,392	31,743	83
2	High school diploma or equivalent	25,429	43,892	52,172	234
3	Some college, no degree	25,615	42,031	49,410	48
4	Postsecondary nondegree award	27,508	42,949	50,970	85
5	Associate's degree	32,057	52,620	63,027	63
6	Bachelor's degree	43,843	87,121	104,479	172
7	Master's degree	42,124	75,478	90,877	42
8	Doctoral or professional degree	58,559	137,497	153,829	63

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	380	410	434	356	422	368
No formal educational credential	31.3%	68.7%	31.3%	68.7%	31.3%	68.7%
High school diploma or equivalent	51.7%	48.3%	70.5%	29.5%	68.4%	31.6%
Some college, no degree	35.4%	64.6%	27.1%	72.9%	25.0%	75.0%
Postsecondary nondegree award	41.2%	58.8%	30.6%	69.4%	35.3%	64.7%
Associate's degree	47.6%	52.4%	36.5%	63.5%	34.9%	65.1%
Bachelor's degree	54.7%	45.3%	64.5%	35.5%	62.8%	37.2%
Master's degree	50.0%	50.0%	54.8%	45.2%	47.6%	52.4%
Doctoral or professional degree	57.1%	42.9%	74.6%	25.4%	69.8%	30.2%

Workforce Region 24 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
11-1011	Chief Executives	79,485	182,781	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	42,100	101,947	127,716	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	18,477	96,270	145,550	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2011	Advertising and Promotions Managers	33,504	68,278	80,510	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-2021	Marketing Managers	50,360	118,926	149,815	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	51,190	124,421	158,661	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	68,081	124,727	133,671	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	44,768	110,293	121,010	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	69,209	120,888	150,383	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	56,231	110,816	132,087	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	46,349	96,725	120,467	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	67,877	113,705	144,615	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	46,641	82,877	100,154	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	56,257	111,548	155,484	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	58,292	104,604	120,682	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	69,013	124,097	162,797	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	36,328	78,102	82,800	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9021	Construction Managers	51,871	98,406	112,684	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	34,468	54,319	54,416	Yes	Yes	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	72,136	101,083	117,900	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	47,987	91,288	104,964	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	39,964	79,279	96,789	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9041	Architectural and Engineering Managers	82,696	165,255	194,689	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	36,361	70,161	84,377	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	45,283	86,516	95,146	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	41,749	59,207	63,109	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	59,390	116,387	131,964	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	52,685	79,957	93,268	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	67,527	86,641	94,817	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	31,910	64,110	79,293	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	41,608	73,937	97,923	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
11-9161	Emergency Management Directors	65,840	87,813	101,803	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	46,845	66,111	74,521	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	46,323	89,440	110,799	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	33,537	84,098	101,132	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	35,168	59,403	67,901	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	36,080	67,111	81,145	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	48,202	67,555	79,213	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	33,186	64,393	85,281	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	42,448	71,279	89,219	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1071	Human Resources Specialists	34,921	58,808	67,627	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	36,328	78,102	82,800	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	21,731	65,953	85,685	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	28,879	52,798	55,717	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	39,844	80,497	98,000	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	25,875	50,607	62,683	No	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	34,887	57,828	65,851	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	34,988	64,576	78,570	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	34,833	64,479	79,493	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	27,264	54,168	65,821	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	27,452	73,386	88,368	No	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	34,828	68,876	82,406	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	47,928	73,364	82,920	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2031	Budget Analysts	45,262	73,775	89,913	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	54,802	78,032	89,472	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2052	Personal Financial Advisors	37,012	93,118	99,636	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	34,240	78,740	102,623	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2061	Financial Examiners	55,110	82,455	92,962	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
13-2071	Credit Counselors	27,129	35,766	38,974	No	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	32,795	77,890	85,564	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,328	47,513	52,903	No	No	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	18,462	39,939	55,164	No	No	No	Postsecondary nondegree award	No	No	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	34,467	80,602	88,754	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
15-1211	Computer Systems Analysts	49,164	81,771	101,007	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	50,537	94,389	116,596	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	71,821	117,920	137,755	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	36,546	62,452	75,668	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	29,607	49,141	57,825	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	55,417	115,795	157,176	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	45,927	73,623	86,825	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1245	Database Administrators and Architects	46,297	86,563	116,253	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	44,564	83,913	115,389	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	50,639	106,067	121,253	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	19,373	56,156	74,973	No	Yes	Yes	Associate's degree	No	Yes	Yes

Workforce Region 24 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
15-1299	Computer Occupations, All Other	31,857	55,475	65,247	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2011	Actuaries	48,595	114,774	141,539	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	69,226	103,776	117,359	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	34,759	64,362	78,203	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2041	Statisticians	26,686	56,962	82,141	No	Yes	Yes	Master's degree	No	No	No
15-2098	Data Scientists and Mathematical Science Occupations, All Other	53,111	74,999	87,897	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1011	Architects, Except Landscape and Naval	55,084	94,169	104,196	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	42,154	58,583	67,513	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1021	Cartographers and Photogrammetrists	46,666	67,321	78,854	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	37,555	62,117	81,135	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	65,619	107,668	128,339	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	42,983	79,291	98,045	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	61,615	86,394	100,610	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	49,185	96,020	121,419	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	53,603	95,424	114,990	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	62,503	100,856	122,235	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	55,241	105,577	141,026	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	35,099	71,035	95,680	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
17-2081	Environmental Engineers	38,860	73,070	85,493	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	54,565	78,931	93,983	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	53,731	94,575	109,916	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	47,642	78,938	94,369	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	50,089	94,526	115,207	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	29,791	76,605	104,295	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	72,254	116,121	142,139	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	84,609	106,715	120,534	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	72,726	157,963	194,213	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	45,111	87,561	106,003	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	35,760	53,686	62,600	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3012	Electrical and Electronics Drafters	22,990	51,357	63,742	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	37,431	53,436	63,140	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	27,870	39,422	49,018	No	No	No	Associate's degree	No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	40,024	67,487	87,047	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	31,662	57,849	69,720	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	23,126	42,904	61,367	No	No	Yes	Associate's degree	No	No	No
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	32,623	52,232	60,616	Yes	Yes	Yes	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	32,354	54,883	68,699	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3026	Industrial Engineering Technologists and Technicians	34,219	51,928	60,033	Yes	Yes	Yes	Associate's degree	No	No	No
17-3027	Mechanical Engineering Technologists and Technicians	41,429	70,143	89,718	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3031	Surveying and Mapping Technicians	26,544	42,149	51,887	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	37,542	56,931	65,789	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	40,869	63,683	76,234	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	31,551	57,176	71,959	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	32,685	51,549	62,367	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1021	Biochemists and Biophysicists	43,346	78,525	89,425	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	35,591	61,737	75,370	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	30,482	42,719	45,065	Yes	No	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	43,251	71,016	87,383	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1031	Conservation Scientists	20,082	60,638	79,523	No	Yes	Yes	Bachelor's degree	No	No	No
19-1032	Foresters	45,646	74,583	95,391	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-1041	Epidemiologists	32,348	54,286	67,595	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	56,942	121,921	162,155	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	49,558	102,527	128,584	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	84,206	143,682	163,143	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	84,206	143,682	163,143	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	58,188	97,298	114,362	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	30,667	58,805	77,451	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	48,821	101,436	131,907	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	35,701	48,986	56,775	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	50,974	89,003	113,074	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	46,108	94,114	110,597	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	46,669	115,168	134,816	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	47,012	90,496	132,964	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3022	Survey Researchers	29,006	71,045	93,671	Yes	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	37,397	71,487	88,927	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	29,006	71,045	93,671	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	64,016	105,367	118,613	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	52,134	74,465	90,329	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	36,059	66,785	85,490	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	32,348	54,286	67,595	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	24,543	57,589	84,570	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists	61,579	97,927	112,887	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	51,535	78,641	94,195	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	18,960	35,857	43,425	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	28,593	41,388	49,487	No	No	No	Bachelor's degree	No	No	No

Workforce Region 24 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
19-4031	Chemical Technicians	34,547	48,395	57,455	Yes	Yes	Yes	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	27,319	43,322	56,218	No	No	Yes	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	25,870	45,764	55,416	No	No	Yes	Associate's degree	No	No	No
19-4051	Nuclear Technicians	69,226	94,654	107,285	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	26,499	52,871	61,304	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	36,072	45,023	51,054	Yes	No	No	Associate's degree	Yes	No	No
19-4092	Forensic Science Technicians	33,204	50,932	60,585	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	19,131	39,503	52,359	No	No	No	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	34,457	64,213	76,994	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	25,926	30,635	30,529	No	No	No	Postsecondary nondegree award	No	No	No
21-1012	Educational, Guidance, and Career Counselors and Advisors	39,876	63,208	77,731	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	32,873	43,013	50,143	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	23,156	35,026	39,938	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	31,955	46,731	54,109	Yes	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	18,932	34,756	39,731	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	26,919	47,029	57,960	No	No	Yes	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	30,063	58,220	66,743	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	27,068	42,258	52,056	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	34,313	51,868	65,590	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	33,898	64,419	84,829	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	32,619	39,766	41,824	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	25,212	39,110	46,172	No	No	No	Some college, no degree	Yes	No	No
21-1094	Community Health Workers	25,294	38,673	50,989	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	30,184	40,459	42,408	Yes	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	24,322	57,286	67,815	No	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	33,681	51,798	62,854	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	19,295	42,757	56,684	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	52,558	124,236	142,571	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	29,802	50,472	57,097	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	85,596	145,836	181,488	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-1022	Arbitrators, Mediators, and Conciliators	25,104	70,062	99,107	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	143,574	184,571	168,372	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	32,730	50,853	60,037	Yes	Yes	Yes	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	33,077	49,615	58,310	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	30,141	58,415	60,858	Yes	Yes	Yes	Associate's degree	No	Yes	No
25-1011	Business Teachers, Postsecondary	18,403	94,219	135,413	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	18,289	73,298	121,041	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	18,091	35,387	51,254	No	No	No	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	26,067	89,140	111,236	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	53,234	108,808	133,283	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	54,493	102,783	125,105	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	18,107	40,530	60,049	No	No	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	67,860	111,216	130,806	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	46,934	93,534	115,875	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	51,465	86,555	102,232	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	46,324	70,733	83,252	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	47,995	93,121	117,664	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	57,245	91,499	103,392	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	42,668	79,036	96,001	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	58,483	107,304	126,196	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	51,622	85,926	101,210	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	59,011	76,351	84,707	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	18,118	43,238	64,470	No	No	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	42,304	79,861	97,377	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	43,395	82,702	109,722	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	56,488	114,656	122,323	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	18,443	79,815	106,447	No	Yes	Yes	Master's degree	No	Yes	Yes
25-1081	Education Teachers, Postsecondary	18,854	78,307	111,492	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	43,140	69,796	82,260	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	18,223	56,685	78,864	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	55,240	149,530	198,184	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	36,250	73,482	86,496	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	18,200	41,237	55,563	No	No	Yes	Master's degree	No	No	No
25-1122	Communications Teachers, Postsecondary	18,279	42,783	60,777	No	No	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	18,138	39,172	53,291	No	No	No	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	46,521	84,540	108,956	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	28,662	81,867	94,143	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	18,086	35,803	53,966	No	No	No	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	41,725	67,270	79,832	Yes	Yes	Yes	Master's degree	No	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	32,800	66,071	80,127	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	18,571	46,372	60,293	No	No	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	20,977	46,661	61,665	No	No	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,533	31,963	34,023	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	47,989	64,674	75,478	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2021	Elementary School Teachers, Except Special Education	42,543	64,654	76,857	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	45,815	65,983	76,977	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	54,481	70,218	79,496	Yes	Yes	Yes	Bachelor's degree	Yes	No	No

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	46,204	68,537	80,130	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	53,788	70,362	80,434	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	53,792	70,667	80,156	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	55,203	72,373	80,746	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2057	Special Education Teachers, Middle School	55,141	74,073	83,098	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	47,655	72,139	83,638	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	48,714	66,953	77,038	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	32,940	56,183	70,303	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	20,751	44,313	56,155	No	No	Yes	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	25,060	30,153	31,373	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	19,255	40,963	55,690	No	No	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	26,863	42,806	49,863	No	No	No	Master's degree	No	No	No
25-4012	Curators	34,625	52,292	60,861	Yes	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	26,798	47,883	69,354	No	Yes	Yes	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	36,952	68,127	81,012	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	22,337	40,445	49,712	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	18,997	41,384	55,077	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	18,950	58,143	81,737	No	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	18,308	33,089	44,444	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	24,327	31,720	33,969	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	20,892	44,492	69,572	No	No	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	45,793	95,853	109,967	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	18,027	32,220	38,687	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	25,248	29,361	30,456	No	No	No	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	55,888	79,591	98,386	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1019	Artists and Related Workers, All Other	29,861	84,235	102,979	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	42,034	84,376	111,938	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-1022	Fashion Designers	31,836	61,501	71,123	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	24,305	33,437	38,782	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	27,668	48,767	59,304	No	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	35,771	55,379	63,366	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	22,739	47,175	55,643	No	No	Yes	Some college, no degree	No	Yes	Yes
27-1027	Set and Exhibit Designers	22,224	48,369	60,066	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	31,551	57,707	66,189	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	21,058	43,486	48,372	No	No	No	Some college, no degree	No	Yes	No
27-2012	Producers and Directors	29,656	55,913	65,179	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	22,341	95,936	96,670	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	19,322	46,973	57,333	No	No	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	18,420	38,658	46,138	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	19,790	54,382	79,856	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	18,154	38,265	58,110	No	No	Yes	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	25,045	80,094	100,797	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-2042	Musicians and Singers	22,381	70,574	87,610	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,626	25,585	29,772	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	19,498	38,106	53,154	No	No	No	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	31,735	58,429	65,613	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	31,431	59,779	74,943	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	25,847	48,924	60,342	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	32,798	66,711	79,654	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	27,421	71,807	73,332	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	35,122	56,436	55,573	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	34,681	66,208	88,364	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
27-3099	Media and Communication Workers, All Other	21,013	37,475	49,580	No	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	21,568	44,645	56,633	No	No	Yes	Associate's degree	No	No	No
27-4012	Broadcast Technicians	21,683	45,931	56,075	No	No	Yes	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	23,207	55,544	63,801	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	19,154	42,045	40,198	No	No	No	Some college, no degree	No	Yes	No
27-4031	Camera Operators, Television, Video, and Film	26,374	41,270	51,693	No	No	No	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	24,492	41,690	56,755	No	No	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	24,307	79,871	103,697	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	34,235	83,302	94,251	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	54,341	163,764	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	62,749	230,974	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	88,029	177,828	204,445	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	78,898	211,198	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	56,291	172,314	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	28,083	64,974	78,655	No	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	51,650	82,275	82,161	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	65,127	123,650	148,803	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1071	Physician Assistants	58,460	101,311	122,327	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	30,428	112,469	158,301	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	72,126	95,820	106,390	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	56,721	91,197	107,632	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	56,734	83,390	96,758	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
29-1125	Recreational Therapists	24,884	57,549	54,196	No	Yes	No	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	51,922	60,439	64,471	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	65,437	91,824	108,302	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	34,923	53,225	65,354	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	24,512	62,157	90,484	No	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	44,781	108,824	125,985	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	51,009	70,123	79,038	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	137,426	161,546	178,079	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	21,526	66,376	97,328	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	32,608	90,147	116,354	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-1181	Audiologists	60,285	93,915	120,170	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	133,853	266,801	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	107,667	223,328	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	137,453	202,482	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1218	Obstetricians and Gynecologists	122,589	241,373	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	100,832	178,444	210,843	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1223	Psychiatrists	45,106	165,468	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	141,119	250,275	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	84,125	263,768	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1292	Dental Hygienists	51,440	74,807	84,150	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	35,989	96,114	92,080	Yes	Yes	Yes	Master's degree	No	Yes	No
29-2010	Clinical Laboratory Technologists and Technicians	29,840	63,553	77,787	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	25,519	47,505	67,544	No	No	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	55,792	76,000	86,802	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	64,555	77,167	84,116	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	43,556	60,502	70,653	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	46,672	69,164	79,235	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	27,110	41,246	49,654	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	20,024	31,968	37,328	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	25,856	34,200	38,513	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	27,350	38,191	45,073	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2055	Surgical Technologists	37,362	53,774	61,115	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	26,111	38,119	45,367	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	24,733	37,118	43,007	No	No	No	Postsecondary nondegree award	No	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	30,875	44,282	50,244	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	26,838	50,571	62,185	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	47,426	73,804	84,404	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	41,328	69,534	79,192	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	27,154	41,636	48,562	No	No	No	Postsecondary nondegree award	Yes	No	No
29-9091	Athletic Trainers	25,374	53,019	64,569	No	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	58,473	79,321	91,430	Yes	Yes	Yes	Master's degree	Yes	Yes	No
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	33,051	57,964	64,383	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	20,966	26,713	29,687	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	23,464	31,157	35,993	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	20,897	27,846	30,598	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	25,133	29,507	31,453	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	54,084	68,454	78,588	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	19,157	27,865	31,699	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	34,527	62,232	74,446	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
31-2022	Physical Therapist Aides	21,767	30,456	34,246	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	20,204	47,412	52,515	No	No	No	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	30,982	43,440	50,655	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	27,882	36,505	40,880	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9093	Medical Equipment Preparers	25,768	36,951	40,253	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	28,424	39,440	44,276	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9095	Pharmacy Aides	22,535	29,917	33,098	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	20,678	27,872	31,148	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	26,211	33,315	37,279	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	25,661	37,773	40,406	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	33,154	60,567	78,955	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	42,499	85,719	101,704	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	58,126	94,016	116,511	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	30,773	48,587	58,873	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	37,419	60,752	72,191	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	50,492	71,289	84,303	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	29,143	34,451	37,636	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	32,318	45,941	53,225	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,750	45,043	54,263	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	41,308	69,214	76,596	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	20,848	27,974	30,215	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	27,148	42,147	49,431	No	No	No	High school diploma or equivalent	Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	41,697	57,222	66,790	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	44,241	63,732	75,664	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	25,920	37,009	43,471	No	No	No	Postsecondary nondegree award	No	No	No

Workforce Region 24 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
33-9021	Private Detectives and Investigators	37,952	67,415	90,796	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	24,602	34,146	38,697	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	20,398	30,040	32,461	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	20,445	27,639	30,834	No	No	No	No formal educational credential	No	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	20,474	26,846	28,953	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	35,198	41,744	44,565	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	21,382	31,641	35,606	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	42,925	70,509	83,889	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	23,405	42,953	48,792	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,527	22,315	24,717	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	22,775	30,606	33,571	No	No	No	No formal educational credential	Yes	Yes	No
35-2013	Cooks, Private Household	20,690	29,645	34,775	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	23,294	32,294	37,524	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	20,824	28,927	32,783	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	19,329	29,991	36,328	No	No	No	No formal educational credential	No	Yes	Yes
35-2021	Food Preparation Workers	20,917	28,974	32,151	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,803	29,009	33,656	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,850	23,483	25,980	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,840	29,148	34,281	No	No	No	No formal educational credential	No	No	Yes
35-3041	Food Servers, Nonrestaurant	19,204	25,026	27,129	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,817	22,965	23,942	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	20,295	25,023	27,553	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	19,488	25,387	28,455	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	18,842	29,135	35,063	No	No	No	No formal educational credential	No	No	Yes
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	27,975	44,279	51,866	No	No	No	High school diploma or equivalent	Yes	No	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	35,158	54,555	63,367	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	22,109	30,741	35,411	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	20,334	25,896	29,214	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	21,211	35,876	51,839	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	22,581	35,267	40,652	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	22,796	32,842	36,553	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	25,979	34,900	39,420	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	24,803	36,696	46,153	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	26,729	30,623	32,138	No	No	No	No formal educational credential	Yes	Yes	No
39-1013	First-Line Supervisors of Gambling Services Workers	35,876	55,082	64,980	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	28,184	56,306	59,091	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	21,028	31,784	34,311	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	20,318	28,154	30,934	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	18,115	24,661	27,826	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	19,363	27,079	30,578	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	27,495	53,151	77,966	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
39-3021	Motion Picture Projectionists	19,416	26,010	30,699	No	No	No	No formal educational credential	No	No	No
39-3031	Ushers, Lobby Attendants, and Ticket Takers	19,009	23,278	24,793	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,924	25,150	28,055	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	25,742	55,338	72,106	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	19,059	26,547	31,040	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,626	25,585	29,772	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	33,321	55,947	57,009	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	21,579	27,793	31,170	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	36,052	53,139	55,750	Yes	Yes	Yes	Associate's degree	Yes	No	No
39-5011	Barbers	21,536	31,266	37,203	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,335	33,870	40,791	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	35,788	69,462	80,146	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	20,424	29,920	31,926	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	19,481	27,944	32,565	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,973	35,948	40,291	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	18,930	30,614	30,891	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	21,827	30,677	35,561	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	27,702	48,825	60,599	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
39-9011	Childcare Workers	19,999	26,382	29,669	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	20,161	46,882	54,707	No	No	No	Postsecondary nondegree award	No	Yes	Yes
39-9032	Recreation Workers	20,385	29,964	34,524	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	19,918	30,340	36,128	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	18,663	23,686	25,080	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	26,653	47,345	55,779	No	No	Yes	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	48,613	95,296	105,871	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,401	25,074	28,169	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,665	28,131	34,775	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	22,153	34,161	40,353	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	21,663	35,355	38,650	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,587	29,725	32,018	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	22,622	49,138	58,829	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	27,364	61,091	68,162	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	35,477	69,028	70,453	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	19,281	38,194	48,787	No	No	No	Some college, no degree	No	No	Yes

Workforce Region 24 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	27,707	63,363	76,208	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	29,349	89,743	122,339	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	28,587	83,821	98,808	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	23,362	39,472	47,255	No	No	No	No formal educational credential	Yes	Yes	Yes
41-9012	Models	20,346	38,569	48,507	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	21,754	39,047	39,264	No	No	No	Postsecondary nondegree award	No	No	No
41-9022	Real Estate Sales Agents	21,578	68,090	72,455	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	52,720	96,228	108,779	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	19,271	28,138	31,918	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	18,479	27,099	29,438	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,686	32,835	32,411	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	33,454	57,434	66,125	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	19,928	27,207	30,541	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	23,718	30,873	32,072	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	29,025	40,172	47,494	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	27,144	37,899	44,106	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	30,128	39,059	43,289	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	23,962	44,480	53,390	No	No	No	Some college, no degree	No	Yes	Yes
43-3041	Gambling Cage Workers	19,501	27,482	31,060	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	27,788	44,170	51,632	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	33,854	41,887	47,632	Yes	No	No	Associate's degree	No	No	No
43-3071	Tellers	28,354	34,958	38,730	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	31,585	48,831	56,275	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	35,292	52,659	63,715	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	28,780	41,154	47,858	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	27,327	38,785	43,173	No	No	No	Some college, no degree	Yes	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	28,519	42,633	48,351	No	No	No	Some college, no degree	Yes	Yes	No
43-4051	Customer Service Representatives	22,406	34,421	39,277	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	26,989	34,604	37,316	No	No	No	High school diploma or equivalent	Yes	No	No
43-4071	File Clerks	18,883	30,466	36,406	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	20,170	29,450	31,994	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	22,283	32,753	38,857	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	22,079	30,989	35,038	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	19,059	37,503	49,315	No	No	No	High school diploma or equivalent	No	No	No
43-4141	New Accounts Clerks	28,092	40,419	47,923	No	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	22,068	33,790	39,377	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	25,484	35,227	40,190	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	21,856	31,569	36,971	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	21,966	42,147	59,602	No	No	Yes	High school diploma or equivalent	No	No	Yes
43-4199	Information and Record Clerks, All Other	29,452	45,590	50,595	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-5011	Cargo and Freight Agents	21,897	37,272	47,506	No	No	No	High school diploma or equivalent	No	No	No
43-5021	Couriers and Messengers	22,468	35,427	44,700	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	26,240	38,095	44,942	No	No	No	High school diploma or equivalent	No	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	25,515	38,988	43,377	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	28,085	52,997	64,096	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5051	Postal Service Clerks	37,762	52,110	62,995	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,608	53,222	65,038	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	37,754	54,049	62,993	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	29,334	48,081	59,582	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	21,969	32,180	37,340	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	25,581	35,733	39,546	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	33,002	55,233	68,622	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	34,274	43,398	49,512	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	26,749	35,967	40,401	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	26,195	38,278	45,486	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	20,846	31,077	36,531	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	26,154	31,952	36,082	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	31,855	46,391	56,650	Yes	No	Yes	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	27,427	44,282	52,601	No	No	No	High school diploma or equivalent	Yes	No	Yes
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	21,137	30,393	34,696	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	21,003	36,801	43,527	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	26,224	33,662	37,294	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	26,155	41,607	55,161	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	32,239	54,365	66,612	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	21,637	44,749	53,707	No	No	No	Some college, no degree	No	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	23,410	39,135	41,039	No	No	No	High school diploma or equivalent	No	No	No
45-2011	Agricultural Inspectors	21,027	35,948	36,096	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	21,496	39,090	44,939	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	25,202	33,321	37,410	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	21,430	30,828	32,584	No	No	No	No formal educational credential	Yes	Yes	No
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	20,092	24,530	24,949	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	20,621	31,689	40,614	No	No	No	No formal educational credential	No	Yes	Yes

Workforce Region 24 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
45-2099	Agricultural Workers, All Other	22,387	28,907	29,825	No	No	No	No formal educational credential	Yes	No	No
45-3031	Fishing and Hunting Workers	20,621	31,689	40,614	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	35,621	40,673	44,192	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	26,951	36,918	40,486	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	18,469	35,630	45,371	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	22,695	32,760	38,147	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	19,393	46,580	58,670	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	37,036	64,601	78,368	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	34,471	51,013	59,859	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	29,413	42,214	48,803	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2022	Stonemasons	33,660	41,065	43,132	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	28,756	43,134	50,564	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	30,927	38,964	44,438	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	23,609	39,316	51,210	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	25,713	35,188	40,191	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	29,611	44,187	50,652	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	29,891	42,320	50,551	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	33,439	44,025	49,509	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2061	Construction Laborers	25,074	35,175	38,921	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	26,440	37,503	41,054	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	33,095	49,784	59,309	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	28,927	43,941	47,796	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	28,452	39,627	46,578	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	18,587	40,417	49,529	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	29,943	44,859	51,844	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	25,320	39,756	47,575	No	No	No	High school diploma or equivalent	No	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	26,981	38,717	45,519	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	28,760	39,208	45,351	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	26,571	36,128	40,640	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	32,456	47,062	60,243	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	28,316	40,504	45,896	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	32,627	44,168	50,238	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	28,657	42,255	49,474	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	31,089	44,693	51,396	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2181	Roofers	23,229	34,383	40,725	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	25,391	39,590	47,544	No	No	No	High school diploma or equivalent	No	No	No
47-2221	Structural Iron and Steel Workers	37,692	45,307	49,879	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2231	Solar Photovoltaic Installers	25,074	35,493	39,700	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	23,231	29,778	32,631	No	No	No	No formal educational credential	Yes	No	No
47-3012	Helpers--Carpenters	21,561	33,138	39,285	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	25,313	33,063	38,044	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	20,346	27,748	32,328	No	No	No	No formal educational credential	No	No	No
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	25,394	30,578	32,204	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	24,278	33,616	38,481	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	21,828	29,931	34,214	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	44,198	63,943	74,335	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	46,509	73,841	92,558	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	27,007	39,897	55,389	No	No	Yes	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	28,133	37,078	40,984	No	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	22,466	33,444	37,865	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	33,665	47,327	54,266	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	21,283	37,057	47,915	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	27,273	35,187	39,330	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	23,295	33,714	39,425	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	33,783	44,496	50,364	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	24,514	53,284	68,873	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	33,622	41,309	46,890	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-5041	Continuous Mining Machine Operators	35,680	56,783	67,742	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining	35,680	56,783	67,742	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-5044	Loading and Moving Machine Operators, Underground Mining	35,680	56,783	67,742	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	30,146	36,859	39,120	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	33,783	44,496	50,364	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	23,295	33,714	39,425	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	33,830	48,412	52,569	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	35,060	55,819	71,585	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	36,047	62,051	72,413	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	26,894	40,888	50,647	No	No	No	Postsecondary nondegree award	No	No	Yes
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	30,814	56,763	72,411	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	32,145	54,527	66,616	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	40,810	58,369	66,000	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	26,449	32,891	35,088	No	No	No	High school diploma or equivalent	No	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	33,242	54,139	68,194	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 24 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	31,798	50,636	59,875	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	41,734	70,573	89,622	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	28,788	40,226	46,062	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-2097	Audiovisual Equipment Installers and Repairers	33,471	39,858	45,074	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-2098	Security and Fire Alarm Systems Installers	32,039	50,946	61,094	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	29,443	62,206	77,262	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-3021	Automotive Body and Related Repairers	31,129	53,555	62,964	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	21,506	36,859	42,501	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	25,212	43,131	55,711	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	33,082	50,518	60,342	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	23,764	43,004	51,822	No	No	No	High school diploma or equivalent	No	No	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	34,198	49,173	57,993	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	35,955	55,141	62,543	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	29,780	45,047	53,054	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	25,221	36,250	42,668	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	26,885	39,172	46,205	No	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	21,968	29,576	33,645	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	26,902	47,209	59,623	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	28,087	37,341	39,910	No	No	No	High school diploma or equivalent	Yes	No	No
49-9011	Mechanical Door Repairers	26,420	35,876	42,873	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	26,684	37,537	40,776	No	No	No	Postsecondary nondegree award	No	No	No
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	34,367	51,330	60,460	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	21,292	31,298	37,463	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	35,694	54,454	62,956	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	24,395	39,944	48,914	No	No	No	High school diploma or equivalent	No	No	No
49-9044	Millwrights	31,610	49,322	60,822	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	23,541	33,370	37,852	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	34,465	68,256	94,277	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	35,500	54,440	63,382	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	19,118	40,830	54,050	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	26,762	44,820	50,471	No	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	23,344	34,716	39,572	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	21,565	43,061	53,480	No	No	No	High school diploma or equivalent	No	No	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	37,724	55,918	64,086	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	26,498	39,535	47,510	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	44,270	72,490	88,069	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	23,480	30,338	32,062	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	33,360	49,499	50,276	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	26,412	36,122	42,818	No	No	No	High school diploma or equivalent	No	No	No
49-9095	Manufactured Building and Mobile Home Installers	20,995	28,898	31,581	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	26,462	38,496	46,322	No	No	No	High school diploma or equivalent	No	No	No
49-9097	Signal and Track Switch Repairers	39,031	65,187	78,476	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	23,966	31,216	35,507	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	26,768	39,123	46,425	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	36,878	59,196	67,374	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	18,941	40,614	52,478	No	No	No	Postsecondary nondegree award	No	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	18,449	35,237	49,165	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	21,399	44,183	48,649	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	25,172	29,821	31,286	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	23,317	37,281	43,786	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	25,556	35,404	39,415	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	25,087	37,896	45,323	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	22,873	33,237	38,826	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	29,036	38,491	43,560	Yes	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	24,146	33,780	38,714	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	22,037	28,141	30,893	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	25,202	33,321	37,410	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	22,935	29,441	31,755	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	19,147	27,630	32,082	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,838	26,902	30,175	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	25,379	35,031	39,778	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	26,018	35,139	38,884	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	26,195	36,043	42,157	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	22,909	32,644	37,395	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	32,957	54,207	66,189	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,821	32,239	37,557	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,695	37,478	44,064	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	33,252	43,798	49,706	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No

Workforce Region 24 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-4041	Machinists	29,866	47,331	56,893	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	30,195	41,734	48,536	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	25,821	40,761	48,860	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	32,957	54,207	66,189	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	29,418	52,438	61,914	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	21,133	37,115	47,101	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	21,783	29,157	31,140	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	25,192	35,660	39,149	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	27,341	51,374	65,582	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	28,603	54,272	56,120	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	24,818	35,060	40,260	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	22,047	34,313	39,464	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	28,249	45,076	56,075	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	23,443	33,292	38,032	No	No	No	High school diploma or equivalent	No	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,880	35,395	39,218	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	20,946	33,694	38,304	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	22,469	38,068	45,450	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	25,391	33,380	38,056	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	29,930	41,812	48,403	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-6011	Laundry and Dry-Cleaning Workers	19,128	25,049	27,459	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	20,157	24,716	27,493	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	18,492	27,915	35,084	No	No	No	No formal educational credential	No	No	Yes
51-6041	Shoe and Leather Workers and Repairers	19,471	30,470	36,672	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,744	29,350	35,414	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,838	28,052	33,419	No	No	No	No formal educational credential	No	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	26,481	32,920	33,970	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	25,359	30,578	34,775	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20,818	30,854	36,210	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18,744	25,998	29,605	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,720	44,477	69,236	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	37,469	67,742	80,707	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	18,508	29,104	30,962	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	23,260	34,559	39,607	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	18,390	27,089	33,095	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	25,671	37,833	43,773	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	31,307	40,819	44,702	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-7031	Model Makers, Wood	29,418	52,438	61,914	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood	32,957	54,207	66,189	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	21,388	30,254	33,645	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	21,570	34,026	42,832	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	22,450	40,142	55,878	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	69,226	94,654	107,285	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	49,971	79,989	100,276	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	41,188	65,827	77,182	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	38,383	57,304	64,675	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	33,819	49,437	58,539	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	31,325	51,082	62,179	Yes	Yes	Yes	Associate's degree	No	No	Yes
51-8092	Gas Plant Operators	32,534	47,140	56,625	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	29,880	50,423	58,690	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	42,302	65,593	58,593	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	26,303	43,956	55,593	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	24,258	37,724	45,440	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	23,492	35,414	40,801	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	22,666	32,986	37,380	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	27,604	35,727	39,873	No	No	No	High school diploma or equivalent	Yes	No	No
51-9031	Cutters and Trimmers, Hand	20,641	34,844	41,528	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	26,210	32,894	37,627	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,777	30,693	34,050	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	22,627	32,397	37,292	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	24,628	45,107	55,729	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	26,431	48,454	54,604	No	Yes	No	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	27,956	43,613	56,290	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9082	Medical Appliance Technicians	23,093	48,382	69,606	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	21,693	33,694	38,029	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	18,837	25,619	28,892	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	19,383	32,289	41,636	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	26,954	40,602	44,701	No	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians	27,905	41,105	48,192	No	No	No	High school diploma or equivalent	Yes	No	No

Workforce Region 24 Wages by Detailed Occupation

May 2020		Annual Wages ($) by Occupation			Wage Meets or Exceeds All Occupation Metric				Wage Meets or Exceeds Educational Level Metric		
Occupational Code	Occupational Title	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold	Educational Requirement	Representative Starting Wage	Average Annual Wage	High-Level Wage Threshold
51-9151	Photographic Process Workers and Processing Machine Operators	23,777	41,312	49,509	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	26,722	37,134	42,538	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	36,256	57,966	71,571	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	21,211	34,097	41,322	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	23,531	34,107	39,179	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	21,339	36,515	45,116	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	23,359	34,299	38,698	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	27,792	35,927	39,752	No	No	No	High school diploma or equivalent	Yes	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	25,290	36,181	40,712	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	25,782	37,095	45,037	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	23,061	35,013	41,348	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	21,862	33,255	38,269	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	34,205	62,562	77,660	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	33,830	54,195	65,897	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	126,933	249,571	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	52,205	105,471	125,023	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	68,322	120,554	149,402	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	24,986	45,833	59,378	No	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	30,274	57,245	66,120	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	21,683	33,154	38,716	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,793	29,101	35,837	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	27,475	42,745	48,310	No	No	No	Postsecondary nondegree award	Yes	Yes	No
53-3033	Light Truck Drivers	22,459	38,560	43,688	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	28,099	37,592	39,546	No	No	No	High school diploma or equivalent	Yes	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	22,910	34,455	39,794	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	19,819	32,522	37,552	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	52,635	66,091	72,804	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	53,116	66,740	75,969	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	34,166	55,819	66,730	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	53,116	66,740	75,969	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	22,007	41,469	58,444	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	28,475	54,404	71,015	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	31,487	45,781	54,322	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	27,361	74,552	121,765	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	29,517	44,186	53,164	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-5031	Ship Engineers	32,338	72,136	88,364	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	22,984	38,860	55,375	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-6021	Parking Attendants	18,898	24,710	28,352	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	22,032	29,503	33,362	No	No	No	No formal educational credential	Yes	No	No
53-6041	Traffic Technicians	33,706	50,948	59,479	Yes	Yes	Yes	Associate's degree	No	No	No
53-6051	Transportation Inspectors	35,786	90,100	136,555	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	21,017	29,054	31,445	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	23,511	34,479	40,095	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,668	33,389	40,054	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	42,350	61,872	72,610	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	33,557	47,357	54,984	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	26,519	40,850	42,934	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	26,239	40,090	49,412	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	19,265	26,785	30,338	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,206	30,658	35,638	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	19,668	31,915	38,147	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,456	24,311	25,450	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	20,773	29,044	33,261	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	34,530	64,096	77,060	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	19,953	40,034	47,691	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	24,651	39,110	48,054	No	No	No	High school diploma or equivalent	No	No	No
53-7081	Refuse and Recyclable Material Collectors	19,819	35,211	42,884	No	No	No	No formal educational credential	No	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,668	33,389	40,054	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	22,351	41,882	53,284	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 24 Wages by Detailed Occupation

	Wage Metrics				
	Key	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	**Number of SOCs by Educational Requirement**
0	All Occupations	28,787	47,661	55,179	
1	No formal educational credential	21,169	29,900	33,699	83
2	High school diploma or equivalent	26,808	44,351	51,647	233
3	Some college, no degree	24,945	41,452	48,541	48
4	Postsecondary nondegree award	27,141	42,052	49,784	85
5	Associate's degree	35,877	53,434	61,783	63
6	Bachelor's degree	42,078	78,495	93,184	172
7	Master's degree	47,569	78,219	93,479	41
8	Doctoral or professional degree	67,756	138,481	146,590	63

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	453	335	464	324	451	337
No formal educational credential	45.8%	54.2%	39.8%	60.2%	38.6%	61.4%
High school diploma or equivalent	67.8%	32.2%	79.0%	21.0%	76.4%	23.6%
Some college, no degree	37.5%	62.5%	27.1%	72.9%	29.2%	70.8%
Postsecondary nondegree award	35.3%	64.7%	35.3%	64.7%	34.1%	65.9%
Associate's degree	60.3%	39.7%	44.4%	55.6%	42.9%	57.1%
Bachelor's degree	53.5%	46.5%	61.0%	39.0%	59.3%	40.7%
Master's degree	73.2%	26.8%	63.4%	36.6%	63.4%	36.6%
Doctoral or professional degree	77.8%	22.2%	71.4%	28.6%	68.3%	31.7%

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Tab 2

Critical Undersupply

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Critical Undersupply Summary

	Total SOCs	SOCs Requiring Postsecondary Nondegree Award	SOCs Requiring Associate's Degree
Statewide	52	28	24
Workforce Region 1	10	7	3
Workforce Region 2	65	37	28
Workforce Region 3	5	5	0
Workforce Region 4	35	20	15
Workforce Region 5	85	50	35
Workforce Region 6	4	4	0
Workforce Region 7	5	5	0
Workforce Region 8	80	44	36
Workforce Region 9	83	48	35
Workforce Region 10	5	5	0
Workforce Region 11	2	2	0
Workforce Region 12	109	60	49
Workforce Region 13	13	8	5
Workforce Region 14	102	59	43
Workforce Region 15	110	62	48
Workforce Region 16	0	0	0
Workforce Region 17	5	4	1
Workforce Region 18	24	14	10
Workforce Region 19	5	5	0
Workforce Region 20	4	4	0
Workforce Region 21	40	24	16
Workforce Region 22	16	10	6
Workforce Region 23	32	18	14
Workforce Region 24	10	4	6

Statewide Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	15-1231	Computer Network Support Specialists	-95	99.10%
Associate's degree	17-3011	Architectural and Civil Drafters	-74	99.09%
Associate's degree	17-3019	Drafters, All Other	-9	99.11%
Associate's degree	17-3023	Electrical and Electronic Engineering Technologists and Technicians	-71	99.08%
Associate's degree	17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	-3	99.15%
Associate's degree	17-3025	Environmental Engineering Technologists and Technicians	-11	99.04%
Associate's degree	17-3027	Mechanical Engineering Technologists and Technicians	-12	99.01%
Associate's degree	19-4010	Agricultural and Food Science Technicians	-3	99.33%
Associate's degree	19-4031	Chemical Technicians	-24	99.06%
Associate's degree	23-2099	Legal Support Workers, All Other	-25	99.13%
Associate's degree	27-3099	Media and Communication Workers, All Other	-8	99.22%
Associate's degree	27-4011	Audio and Video Technicians	-34	99.53%
Associate's degree	27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	-6	99.45%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-1,364	82.05%
Associate's degree	29-2033	Nuclear Medicine Technologists	-316	86.86%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-387	91.70%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-420	99.09%
Associate's degree	35-1011	Chefs and Head Cooks	-138	99.08%
Associate's degree	43-3061	Procurement Clerks	-31	99.13%
Associate's degree	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-8	99.04%
Associate's degree	49-2091	Avionics Technicians	-25	99.06%
Associate's degree	49-3011	Aircraft Mechanics and Service Technicians	-149	99.10%
Associate's degree	51-8091	Chemical Plant and System Operators	-12	99.01%
Associate's degree	53-2021	Air Traffic Controllers	-113	95.61%
Postsecondary nondegree award	13-1032	Insurance Appraisers, Auto Damage	-13	99.15%
Postsecondary nondegree award	15-1232	Computer User Support Specialists	-462	99.09%
Postsecondary nondegree award	19-5012	Occupational Health and Safety Technicians	-7	98.96%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-126	99.09%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-18,253	75.63%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-137	89.19%
Postsecondary nondegree award	31-1131	Nursing Assistants	-36,207	74.80%
Postsecondary nondegree award	31-9091	Dental Assistants	-209	99.14%
Postsecondary nondegree award	31-9092	Medical Assistants	-619	99.09%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-685	83.53%
Postsecondary nondegree award	39-5011	Barbers	-58	99.06%
Postsecondary nondegree award	39-5091	Makeup Artists, Theatrical and Performance	-5	97.35%
Postsecondary nondegree award	39-5094	Skincare Specialists	-63	99.08%
Postsecondary nondegree award	39-9031	Exercise Trainers and Group Fitness Instructors	-215	99.09%
Postsecondary nondegree award	41-9021	Real Estate Brokers	-82	99.08%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-12,101	81.41%
Postsecondary nondegree award	47-2111	Electricians	-199	99.63%
Postsecondary nondegree award	47-2152	Plumbers, Pipefitters, and Steamfitters	-314	99.09%
Postsecondary nondegree award	47-4021	Elevator and Escalator Installers and Repairers	-21	99.07%
Postsecondary nondegree award	49-2097	Audiovisual Equipment Installers and Repairers	-8	99.65%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-106	99.11%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-244	94.46%
Postsecondary nondegree award	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-8	99.61%
Postsecondary nondegree award	49-9092	Commercial Divers	-5	99.04%
Postsecondary nondegree award	51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	-17	99.08%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-24	99.74%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-12,573	90.27%
Postsecondary nondegree award	53-5031	Ship Engineers	-17	99.05%

** Consensus estimating conferences generally operate on the assumption that current law and current administrative practices will remain in effect throughout the period for which the official information developed by the conference is to be used. See s. 216.134(1), F.S. The Labor Market Estimating Conference (LMEC) follows this current law/current administration approach and assumes that all current material efforts by stakeholders to provide training or education will continue without significant interruption. The LMEC also assumes that lists adopted prior to the effective date of CS/CS/CS/HB 1507 (2021) and through June 30, 2022, that are used to guide those efforts will continue to be used unless or until further analysis adopted by the LMEC clearly indicates otherwise.*

Workforce Region 1 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-22	87.43%
Associate's degree	29-2033	Nuclear Medicine Technologists	-5	93.15%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-6	96.00%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-383	76.56%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-4	83.33%
Postsecondary nondegree award	31-1131	Nursing Assistants	-954	75.41%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-12	85.37%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-169	84.87%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-1	97.50%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-167	92.41%

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Workforce Region 2 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	15-1231	Computer Network Support Specialists	-8	93.28%
Associate's degree	15-1257	Web Developers and Digital Interface Designers	-8	93.65%
Associate's degree	17-3011	Architectural and Civil Drafters	-13	93.12%
Associate's degree	17-3013	Mechanical Drafters	-2	95.45%
Associate's degree	17-3022	Civil Engineering Technologists and Technicians	-2	97.06%
Associate's degree	17-3023	Electrical and Electronic Engineering Technologists and Technicians	-26	92.61%
Associate's degree	17-3027	Mechanical Engineering Technologists and Technicians	-3	91.89%
Associate's degree	23-2099	Legal Support Workers, All Other	-6	91.30%
Associate's degree	25-2011	Preschool Teachers, Except Special Education	-36	91.13%
Associate's degree	25-4031	Library Technicians	-3	91.89%
Associate's degree	27-4011	Audio and Video Technicians	-4	94.12%
Associate's degree	29-1126	Respiratory Therapists	-13	92.49%
Associate's degree	29-1292	Dental Hygienists	-14	93.17%
Associate's degree	29-2010	Clinical Laboratory Technologists and Technicians	-4	97.32%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-11	76.09%
Associate's degree	29-2032	Diagnostic Medical Sonographers	-11	92.62%
Associate's degree	29-2034	Radiologic Technologists and Technicians	-15	91.89%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-6	78.57%
Associate's degree	29-2056	Veterinary Technologists and Technicians	-5	96.75%
Associate's degree	31-2021	Physical Therapist Assistants	-10	92.54%
Associate's degree	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	-4	95.70%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-71	90.37%
Associate's degree	35-1011	Chefs and Head Cooks	-19	91.88%
Associate's degree	43-3061	Procurement Clerks	-7	88.52%
Associate's degree	49-2091	Avionics Technicians	-8	90.59%
Associate's degree	49-3011	Aircraft Mechanics and Service Technicians	-36	92.27%
Associate's degree	49-9062	Medical Equipment Repairers	-2	96.61%
Associate's degree	53-2021	Air Traffic Controllers	-8	94.16%
Postsecondary nondegree award	13-2082	Tax Preparers	-5	97.01%
Postsecondary nondegree award	15-1232	Computer User Support Specialists	-47	92.87%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-27	89.49%
Postsecondary nondegree award	29-2052	Pharmacy Technicians	-21	93.56%
Postsecondary nondegree award	29-2053	Psychiatric Technicians	-1	99.21%
Postsecondary nondegree award	29-2055	Surgical Technologists	-24	93.00%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-324	68.54%
Postsecondary nondegree award	29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	-14	94.81%
Postsecondary nondegree award	29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	-3	91.67%
Postsecondary nondegree award	31-1131	Nursing Assistants	-505	67.65%
Postsecondary nondegree award	31-9091	Dental Assistants	-34	89.27%
Postsecondary nondegree award	31-9092	Medical Assistants	-61	90.03%
Postsecondary nondegree award	31-9097	Phlebotomists	-4	95.24%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-13	76.79%
Postsecondary nondegree award	39-5011	Barbers	-6	90.00%
Postsecondary nondegree award	39-5012	Hairdressers, Hairstylists, and Cosmetologists	-43	94.80%
Postsecondary nondegree award	39-5092	Manicurists and Pedicurists	-2	96.08%
Postsecondary nondegree award	39-5094	Skincare Specialists	-9	83.93%
Postsecondary nondegree award	39-9031	Exercise Trainers and Group Fitness Instructors	-16	91.96%
Postsecondary nondegree award	41-9021	Real Estate Brokers	-15	89.80%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-263	77.64%
Postsecondary nondegree award	47-2031	Carpenters	-37	95.24%
Postsecondary nondegree award	47-2111	Electricians	-65	90.92%
Postsecondary nondegree award	47-2152	Plumbers, Pipefitters, and Steamfitters	-43	90.89%
Postsecondary nondegree award	47-4011	Construction and Building Inspectors	-15	95.80%
Postsecondary nondegree award	49-2011	Computer, Automated Teller, and Office Machine Repairers	-1	98.67%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-26	90.44%
Postsecondary nondegree award	49-3023	Automotive Service Technicians and Mechanics	-70	92.84%
Postsecondary nondegree award	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	-9	93.84%
Postsecondary nondegree award	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	-4	96.40%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-13	87.62%
Postsecondary nondegree award	49-9041	Industrial Machinery Mechanics	-6	95.89%
Postsecondary nondegree award	49-9051	Electrical Power-Line Installers and Repairers	-1	99.38%
Postsecondary nondegree award	51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	-9	83.93%
Postsecondary nondegree award	51-4121	Welders, Cutters, Solderers, and Brazers	-17	90.50%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-19	89.89%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-145	84.59%

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Workforce Region 3 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-79	83.78%
Postsecondary nondegree award	31-1131	Nursing Assistants	-139	82.56%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-2	88.89%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-9	85.48%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-42	93.16%

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Workforce Region 4 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	15-1231	Computer Network Support Specialists	-1	98.33%
Associate's degree	17-3011	Architectural and Civil Drafters	-1	99.20%
Associate's degree	17-3023	Electrical and Electronic Engineering Technologists and Technicians	-1	99.48%
Associate's degree	25-2011	Preschool Teachers, Except Special Education	-19	95.81%
Associate's degree	29-1126	Respiratory Therapists	-1	99.04%
Associate's degree	29-1292	Dental Hygienists	-1	99.19%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-8	81.82%
Associate's degree	29-2034	Radiologic Technologists and Technicians	-4	97.53%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-5	81.48%
Associate's degree	31-2021	Physical Therapist Assistants	-2	97.53%
Associate's degree	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	-3	96.81%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-20	96.71%
Associate's degree	35-1011	Chefs and Head Cooks	-3	97.73%
Associate's degree	49-3011	Aircraft Mechanics and Service Technicians	-3	96.91%
Associate's degree	53-2021	Air Traffic Controllers	-3	95.00%
Postsecondary nondegree award	15-1232	Computer User Support Specialists	-3	99.03%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-9	94.44%
Postsecondary nondegree award	29-2052	Pharmacy Technicians	-1	99.59%
Postsecondary nondegree award	29-2055	Surgical Technologists	-1	99.13%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-139	72.64%
Postsecondary nondegree award	31-1131	Nursing Assistants	-271	71.35%
Postsecondary nondegree award	31-9091	Dental Assistants	-6	96.00%
Postsecondary nondegree award	31-9092	Medical Assistants	-19	96.36%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-5	79.17%
Postsecondary nondegree award	39-9031	Exercise Trainers and Group Fitness Instructors	-2	98.29%
Postsecondary nondegree award	41-9021	Real Estate Brokers	-4	95.79%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-182	77.36%
Postsecondary nondegree award	47-2111	Electricians	-20	97.01%
Postsecondary nondegree award	47-2152	Plumbers, Pipefitters, and Steamfitters	-14	96.91%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-3	97.62%
Postsecondary nondegree award	49-3023	Automotive Service Technicians and Mechanics	-5	99.04%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-4	87.10%
Postsecondary nondegree award	51-4121	Welders, Cutters, Solderers, and Brazers	-4	97.42%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-4	96.85%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-176	84.22%

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Workforce Region 5 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	15-1231	Computer Network Support Specialists	-39	87.09%
Associate's degree	15-1257	Web Developers and Digital Interface Designers	-19	88.48%
Associate's degree	17-3011	Architectural and Civil Drafters	-21	88.65%
Associate's degree	17-3022	Civil Engineering Technologists and Technicians	-13	91.88%
Associate's degree	17-3023	Electrical and Electronic Engineering Technologists and Technicians	-14	84.44%
Associate's degree	17-3031	Surveying and Mapping Technicians	-1	99.12%
Associate's degree	19-4010	Agricultural and Food Science Technicians	-1	88.89%
Associate's degree	19-4031	Chemical Technicians	-1	96.55%
Associate's degree	23-2011	Paralegals and Legal Assistants	-40	95.48%
Associate's degree	23-2099	Legal Support Workers, All Other	-15	84.04%
Associate's degree	25-2011	Preschool Teachers, Except Special Education	-73	85.01%
Associate's degree	25-4031	Library Technicians	-5	92.86%
Associate's degree	27-3099	Media and Communication Workers, All Other	-7	89.39%
Associate's degree	27-4011	Audio and Video Technicians	-4	93.94%
Associate's degree	29-1126	Respiratory Therapists	-20	87.34%
Associate's degree	29-1292	Dental Hygienists	-28	88.28%
Associate's degree	29-2010	Clinical Laboratory Technologists and Technicians	-23	93.24%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-55	70.27%
Associate's degree	29-2032	Diagnostic Medical Sonographers	-16	84.91%
Associate's degree	29-2033	Nuclear Medicine Technologists	-9	71.88%
Associate's degree	29-2034	Radiologic Technologists and Technicians	-34	87.07%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-15	78.26%
Associate's degree	29-2056	Veterinary Technologists and Technicians	-28	91.46%
Associate's degree	31-2011	Occupational Therapy Assistants	-1	97.56%
Associate's degree	31-2021	Physical Therapist Assistants	-17	84.55%
Associate's degree	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	-8	90.00%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-206	85.68%
Associate's degree	35-1011	Chefs and Head Cooks	-25	87.24%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-2	88.89%
Associate's degree	43-3061	Procurement Clerks	-1	97.73%
Associate's degree	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-1	92.86%
Associate's degree	49-2091	Avionics Technicians	-1	93.75%
Associate's degree	49-3011	Aircraft Mechanics and Service Technicians	-17	83.96%
Associate's degree	51-8091	Chemical Plant and System Operators	-2	93.55%
Associate's degree	53-2021	Air Traffic Controllers	-5	81.48%
Postsecondary nondegree award	13-2082	Tax Preparers	-14	91.62%
Postsecondary nondegree award	15-1232	Computer User Support Specialists	-172	88.03%
Postsecondary nondegree award	19-5012	Occupational Health and Safety Technicians	-1	90.00%
Postsecondary nondegree award	27-3092	Court Reporters and Simultaneous Captioners	-13	86.02%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-23	84.87%
Postsecondary nondegree award	29-2052	Pharmacy Technicians	-52	88.15%
Postsecondary nondegree award	29-2053	Psychiatric Technicians	-21	95.85%
Postsecondary nondegree award	29-2055	Surgical Technologists	-21	88.07%
Postsecondary nondegree award	29-2057	Ophthalmic Medical Technicians	-8	91.40%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-1,067	51.14%
Postsecondary nondegree award	29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	-49	89.88%
Postsecondary nondegree award	29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	-4	92.16%
Postsecondary nondegree award	31-1131	Nursing Assistants	-1,399	50.46%
Postsecondary nondegree award	31-9091	Dental Assistants	-55	84.81%
Postsecondary nondegree award	31-9092	Medical Assistants	-150	85.49%
Postsecondary nondegree award	31-9097	Phlebotomists	-15	87.70%
Postsecondary nondegree award	33-2021	Fire Inspectors and Investigators	-6	87.76%
Postsecondary nondegree award	33-9011	Animal Control Workers	-1	95.24%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-17	68.52%
Postsecondary nondegree award	39-5011	Barbers	-13	85.87%
Postsecondary nondegree award	39-5012	Hairdressers, Hairstylists, and Cosmetologists	-82	89.57%
Postsecondary nondegree award	39-5094	Skincare Specialists	-7	89.71%
Postsecondary nondegree award	39-9031	Exercise Trainers and Group Fitness Instructors	-41	86.05%
Postsecondary nondegree award	41-3021	Insurance Sales Agents	-84	88.72%
Postsecondary nondegree award	41-9021	Real Estate Brokers	-18	83.49%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-314	66.35%
Postsecondary nondegree award	47-2031	Carpenters	-95	90.05%
Postsecondary nondegree award	47-2111	Electricians	-99	86.44%
Postsecondary nondegree award	47-2152	Plumbers, Pipefitters, and Steamfitters	-62	86.07%
Postsecondary nondegree award	47-4011	Construction and Building Inspectors	-23	90.80%
Postsecondary nondegree award	47-4021	Elevator and Escalator Installers and Repairers	-5	90.57%
Postsecondary nondegree award	49-2011	Computer, Automated Teller, and Office Machine Repairers	-9	92.17%
Postsecondary nondegree award	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	-16	94.89%
Postsecondary nondegree award	49-2097	Audiovisual Equipment Installers and Repairers	-3	93.75%
Postsecondary nondegree award	49-2098	Security and Fire Alarm Systems Installers	-39	85.77%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-23	85.89%
Postsecondary nondegree award	49-3023	Automotive Service Technicians and Mechanics	-141	88.00%
Postsecondary nondegree award	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	-21	90.58%
Postsecondary nondegree award	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	-13	89.60%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-7	76.67%
Postsecondary nondegree award	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-1	94.12%
Postsecondary nondegree award	49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	-88	89.37%
Postsecondary nondegree award	49-9041	Industrial Machinery Mechanics	-14	90.85%
Postsecondary nondegree award	49-9051	Electrical Power-Line Installers and Repairers	-11	92.99%
Postsecondary nondegree award	51-4041	Machinists	-5	92.75%
Postsecondary nondegree award	51-4121	Welders, Cutters, Solderers, and Brazers	-19	86.43%
Postsecondary nondegree award	51-8021	Stationary Engineers and Boiler Operators	-1	93.33%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-22	85.14%
Postsecondary nondegree award	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	-27	88.31%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-396	72.19%

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Workforce Region 6 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-41	89.01%
Postsecondary nondegree award	31-1131	Nursing Assistants	-138	87.73%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-1	96.88%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-3	95.65%

* Consensus estimating conferences generally operate on the assumption that current law and current administrative practices will remain in effect throughout the period for which the official information developed by the conference is to be used. See s. 216.134(1), F.S. The Labor Market Estimating Conference (LMEC) follows this current law/current administration approach and assumes that all current material efforts by stakeholders to provide training or education will continue without significant interruption. The LMEC also assumes that lists adopted prior to the effective date of CS/CS/CS/HB 1507 (2021) and through June 30, 2022, that are used to guide those efforts will continue to be used unless or until further analysis adopted by the LMEC clearly indicates otherwise.

Workforce Region 7 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-159	72.82%
Postsecondary nondegree award	31-1131	Nursing Assistants	-340	71.92%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-3	88.00%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-12	84.21%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-132	91.57%

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Workforce Region 8 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	15-1231	Computer Network Support Specialists	-35	95.73%
Associate's degree	15-1257	Web Developers and Digital Interface Designers	-23	97.73%
Associate's degree	17-3011	Architectural and Civil Drafters	-17	96.71%
Associate's degree	17-3019	Drafters, All Other	-5	93.33%
Associate's degree	17-3023	Electrical and Electronic Engineering Technologists and Technicians	-31	96.27%
Associate's degree	17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	-1	96.55%
Associate's degree	17-3025	Environmental Engineering Technologists and Technicians	-8	94.70%
Associate's degree	17-3027	Mechanical Engineering Technologists and Technicians	-8	95.60%
Associate's degree	19-4031	Chemical Technicians	-14	93.10%
Associate's degree	23-2099	Legal Support Workers, All Other	-9	95.79%
Associate's degree	25-2011	Preschool Teachers, Except Special Education	-128	95.89%
Associate's degree	25-4031	Library Technicians	-2	98.84%
Associate's degree	27-3099	Media and Communication Workers, All Other	-6	89.47%
Associate's degree	27-4011	Audio and Video Technicians	-7	98.01%
Associate's degree	27-4014	Sound Engineering Technicians	-5	91.23%
Associate's degree	27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	-3	95.83%
Associate's degree	29-1126	Respiratory Therapists	-27	96.88%
Associate's degree	29-1292	Dental Hygienists	-37	95.95%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-186	75.56%
Associate's degree	29-2032	Diagnostic Medical Sonographers	-16	97.13%
Associate's degree	29-2033	Nuclear Medicine Technologists	-66	79.63%
Associate's degree	29-2034	Radiologic Technologists and Technicians	-50	95.90%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-51	83.06%
Associate's degree	31-2011	Occupational Therapy Assistants	-16	95.65%
Associate's degree	31-2021	Physical Therapist Assistants	-27	96.32%
Associate's degree	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	-15	97.11%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-219	93.87%
Associate's degree	35-1011	Chefs and Head Cooks	-43	95.26%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-10	89.47%
Associate's degree	43-3061	Procurement Clerks	-10	96.27%
Associate's degree	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-6	91.18%
Associate's degree	49-2091	Avionics Technicians	-25	94.03%
Associate's degree	49-3011	Aircraft Mechanics and Service Technicians	-89	95.99%
Associate's degree	51-8091	Chemical Plant and System Operators	-6	90.91%
Associate's degree	53-2021	Air Traffic Controllers	-8	98.40%
Associate's degree	53-6041	Traffic Technicians	-2	95.83%
Postsecondary nondegree award	13-1032	Insurance Appraisers, Auto Damage	-4	97.18%
Postsecondary nondegree award	15-1232	Computer User Support Specialists	-185	96.38%
Postsecondary nondegree award	19-5012	Occupational Health and Safety Technicians	-10	81.48%
Postsecondary nondegree award	27-3092	Court Reporters and Simultaneous Captioners	-3	97.50%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-73	93.13%
Postsecondary nondegree award	29-2052	Pharmacy Technicians	-97	96.82%
Postsecondary nondegree award	29-2055	Surgical Technologists	-24	96.32%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-3,469	62.57%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-10	86.30%
Postsecondary nondegree award	29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	-36	98.42%
Postsecondary nondegree award	29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	-6	96.74%
Postsecondary nondegree award	31-1131	Nursing Assistants	-5,441	61.71%
Postsecondary nondegree award	31-9091	Dental Assistants	-136	92.94%
Postsecondary nondegree award	31-9092	Medical Assistants	-372	93.56%
Postsecondary nondegree award	31-9097	Phlebotomists	-11	98.62%
Postsecondary nondegree award	33-9011	Animal Control Workers	-7	89.71%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-40	81.57%
Postsecondary nondegree award	39-5011	Barbers	-14	96.72%
Postsecondary nondegree award	39-5012	Hairdressers, Hairstylists, and Cosmetologists	-68	98.22%
Postsecondary nondegree award	39-5094	Skincare Specialists	-41	94.49%
Postsecondary nondegree award	39-9031	Exercise Trainers and Group Fitness Instructors	-104	95.22%
Postsecondary nondegree award	41-9021	Real Estate Brokers	-39	94.20%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-827	81.20%
Postsecondary nondegree award	47-2031	Carpenters	-73	98.64%
Postsecondary nondegree award	47-2111	Electricians	-238	94.41%
Postsecondary nondegree award	47-2152	Plumbers, Pipefitters, and Steamfitters	-187	94.36%
Postsecondary nondegree award	47-4011	Construction and Building Inspectors	-6	99.37%
Postsecondary nondegree award	47-4021	Elevator and Escalator Installers and Repairers	-7	94.02%
Postsecondary nondegree award	49-2097	Audiovisual Equipment Installers and Repairers	-9	94.27%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-57	93.98%
Postsecondary nondegree award	49-3023	Automotive Service Technicians and Mechanics	-199	96.19%
Postsecondary nondegree award	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	-47	97.62%
Postsecondary nondegree award	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	-2	99.73%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-15	91.94%
Postsecondary nondegree award	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-13	94.42%
Postsecondary nondegree award	49-9092	Commercial Divers	-14	90.41%
Postsecondary nondegree award	51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	-10	93.42%
Postsecondary nondegree award	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	-2	77.78%
Postsecondary nondegree award	51-4121	Welders, Cutters, Solderers, and Brazers	-67	94.99%
Postsecondary nondegree award	51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	-5	93.67%
Postsecondary nondegree award	51-8021	Stationary Engineers and Boiler Operators	-8	89.87%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-42	94.03%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-1,930	88.43%
Postsecondary nondegree award	53-5031	Ship Engineers	-18	98.41%

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Workforce Region 9 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	15-1231	Computer Network Support Specialists	-16	88.24%
Associate's degree	15-1257	Web Developers and Digital Interface Designers	-18	89.16%
Associate's degree	17-3011	Architectural and Civil Drafters	-13	86.17%
Associate's degree	17-3023	Electrical and Electronic Engineering Technologists and Technicians	-13	85.87%
Associate's degree	17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	-1	83.33%
Associate's degree	19-4010	Agricultural and Food Science Technicians	-1	87.50%
Associate's degree	19-4031	Chemical Technicians	-21	85.11%
Associate's degree	23-2011	Paralegals and Legal Assistants	-31	95.19%
Associate's degree	23-2099	Legal Support Workers, All Other	-5	89.80%
Associate's degree	25-2011	Preschool Teachers, Except Special Education	-55	87.24%
Associate's degree	25-4031	Library Technicians	-15	88.28%
Associate's degree	27-3099	Media and Communication Workers, All Other	-2	94.12%
Associate's degree	27-4011	Audio and Video Technicians	-11	87.21%
Associate's degree	29-1126	Respiratory Therapists	-40	88.34%
Associate's degree	29-1292	Dental Hygienists	-32	86.78%
Associate's degree	29-2010	Clinical Laboratory Technologists and Technicians	-34	93.49%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-69	68.78%
Associate's degree	29-2032	Diagnostic Medical Sonographers	-18	89.16%
Associate's degree	29-2033	Nuclear Medicine Technologists	-17	71.67%
Associate's degree	29-2034	Radiologic Technologists and Technicians	-55	87.64%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-25	77.27%
Associate's degree	29-2056	Veterinary Technologists and Technicians	-33	91.22%
Associate's degree	31-2011	Occupational Therapy Assistants	-4	92.59%
Associate's degree	31-2021	Physical Therapist Assistants	-17	87.77%
Associate's degree	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	-15	88.19%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-118	85.64%
Associate's degree	35-1011	Chefs and Head Cooks	-20	88.24%
Associate's degree	39-4011	Embalmers	-1	83.33%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-2	86.67%
Associate's degree	43-3061	Procurement Clerks	-14	84.95%
Associate's degree	49-2091	Avionics Technicians	-1	91.67%
Associate's degree	49-3011	Aircraft Mechanics and Service Technicians	-13	83.12%
Associate's degree	49-9062	Medical Equipment Repairers	-2	97.01%
Associate's degree	51-8091	Chemical Plant and System Operators	-1	92.31%
Associate's degree	53-2021	Air Traffic Controllers	-11	84.29%
Postsecondary nondegree award	13-2082	Tax Preparers	-2	95.92%
Postsecondary nondegree award	15-1232	Computer User Support Specialists	-105	87.86%
Postsecondary nondegree award	19-5012	Occupational Health and Safety Technicians	-1	87.50%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-39	85.50%
Postsecondary nondegree award	29-2052	Pharmacy Technicians	-75	87.96%
Postsecondary nondegree award	29-2053	Psychiatric Technicians	-28	95.86%
Postsecondary nondegree award	29-2055	Surgical Technologists	-32	88.15%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-849	52.73%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-16	78.67%
Postsecondary nondegree award	29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	-77	89.91%
Postsecondary nondegree award	29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	-4	92.86%
Postsecondary nondegree award	31-1131	Nursing Assistants	-1,979	51.94%
Postsecondary nondegree award	31-2022	Physical Therapist Aides	-4	95.24%
Postsecondary nondegree award	31-9091	Dental Assistants	-72	84.62%
Postsecondary nondegree award	31-9092	Medical Assistants	-162	85.43%
Postsecondary nondegree award	31-9097	Phlebotomists	-15	91.23%
Postsecondary nondegree award	33-2021	Fire Inspectors and Investigators	-2	92.00%
Postsecondary nondegree award	33-9011	Animal Control Workers	-1	88.89%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-14	69.57%
Postsecondary nondegree award	39-5011	Barbers	-9	86.15%
Postsecondary nondegree award	39-5012	Hairdressers, Hairstylists, and Cosmetologists	-67	89.51%
Postsecondary nondegree award	39-5094	Skincare Specialists	-5	90.20%
Postsecondary nondegree award	39-9031	Exercise Trainers and Group Fitness Instructors	-35	86.79%
Postsecondary nondegree award	41-3021	Insurance Sales Agents	-36	92.56%
Postsecondary nondegree award	41-9021	Real Estate Brokers	-16	84.31%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-367	69.00%
Postsecondary nondegree award	47-2031	Carpenters	-85	90.04%
Postsecondary nondegree award	47-2111	Electricians	-78	86.12%
Postsecondary nondegree award	47-2152	Plumbers, Pipefitters, and Steamfitters	-51	85.55%
Postsecondary nondegree award	47-4011	Construction and Building Inspectors	-21	89.86%
Postsecondary nondegree award	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	-4	98.86%
Postsecondary nondegree award	49-2098	Security and Fire Alarm Systems Installers	-10	89.47%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-18	86.36%
Postsecondary nondegree award	49-3023	Automotive Service Technicians and Mechanics	-125	87.75%
Postsecondary nondegree award	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	-29	87.71%
Postsecondary nondegree award	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	-12	93.06%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-5	75.00%
Postsecondary nondegree award	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-2	94.29%
Postsecondary nondegree award	49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	-45	92.92%
Postsecondary nondegree award	49-9041	Industrial Machinery Mechanics	-12	91.67%
Postsecondary nondegree award	51-4041	Machinists	-3	96.20%
Postsecondary nondegree award	51-4121	Welders, Cutters, Solderers, and Brazers	-18	85.83%
Postsecondary nondegree award	51-5111	Prepress Technicians and Workers	-5	93.15%
Postsecondary nondegree award	51-8021	Stationary Engineers and Boiler Operators	-1	92.86%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-23	86.78%
Postsecondary nondegree award	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	-19	91.70%
Postsecondary nondegree award	51-9082	Medical Appliance Technicians	-2	95.83%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-377	75.12%

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Workforce Region 10 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-149	91.00%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-1	96.88%
Postsecondary nondegree award	31-1131	Nursing Assistants	-352	89.84%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-5	94.25%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-42	93.38%

* Consensus estimating conferences generally operate on the assumption that current law and current administrative practices will remain in effect throughout the period for which the official information developed by the conference is to be used. See s. 216.134(1), F.S. The Labor Market Estimating Conference (LMEC) follows this current law/current administration approach and assumes that all current material efforts by stakeholders to provide training or education will continue without significant interruption. The LMEC also assumes that lists adopted prior to the effective date of CS/CS/CS/HB 1507 (2021) and through June 30, 2022, that are used to guide those efforts will continue to be used unless or until further analysis adopted by the LMEC clearly indicates otherwise.

Workforce Region 11 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-38	98.09%
Postsecondary nondegree award	31-1131	Nursing Assistants	-145	96.87%

* Consensus estimating conferences generally operate on the assumption that current law and current administrative practices will remain in effect throughout the period for which the official information developed by the conference is to be used. See s. 216.134(1), F.S. The Labor Market Estimating Conference (LMEC) follows this current law/current administration approach and assumes that all current material efforts by stakeholders to provide training or education will continue without significant interruption. The LMEC also assumes that lists adopted prior to the effective date of CS/CS/CS/HB 1507 (2021) and through June 30, 2022, that are used to guide those efforts will continue to be used unless or until further analysis adopted by the LMEC clearly indicates otherwise.

Workforce Region 12 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent
Associate's degree	11-9171	Funeral Home Managers	-2	98.28%
Associate's degree	15-1231	Computer Network Support Specialists	-168	89.49%
Associate's degree	15-1257	Web Developers and Digital Interface Designers	-140	91.15%
Associate's degree	17-3011	Architectural and Civil Drafters	-114	90.16%
Associate's degree	17-3013	Mechanical Drafters	-6	98.61%
Associate's degree	17-3019	Drafters, All Other	-22	84.40%
Associate's degree	17-3021	Aerospace Engineering and Operations Technologists and Technicians	-8	91.84%
Associate's degree	17-3022	Civil Engineering Technologists and Technicians	-40	94.41%
Associate's degree	17-3023	Electrical and Electronic Engineering Technologists and Technicians	-164	89.73%
Associate's degree	17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	-13	80.30%
Associate's degree	17-3025	Environmental Engineering Technologists and Technicians	-38	87.90%
Associate's degree	17-3027	Mechanical Engineering Technologists and Technicians	-42	88.43%
Associate's degree	19-4010	Agricultural and Food Science Technicians	-14	76.67%
Associate's degree	19-4031	Chemical Technicians	-37	86.97%
Associate's degree	19-4071	Forest and Conservation Technicians	-6	86.96%
Associate's degree	23-2011	Paralegals and Legal Assistants	-142	97.52%
Associate's degree	23-2099	Legal Support Workers, All Other	-50	89.06%
Associate's degree	25-2011	Preschool Teachers, Except Special Education	-631	88.07%
Associate's degree	25-4031	Library Technicians	-34	91.03%
Associate's degree	27-3099	Media and Communication Workers, All Other	-25	87.68%
Associate's degree	27-4011	Audio and Video Technicians	-241	91.84%
Associate's degree	27-4014	Sound Engineering Technicians	-34	89.76%
Associate's degree	27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	-24	88.52%
Associate's degree	29-1124	Radiation Therapists	-10	96.15%
Associate's degree	29-1126	Respiratory Therapists	-111	90.28%
Associate's degree	29-1292	Dental Hygienists	-178	89.54%
Associate's degree	29-2010	Clinical Laboratory Technologists and Technicians	-168	95.28%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-330	72.64%
Associate's degree	29-2032	Diagnostic Medical Sonographers	-109	90.80%
Associate's degree	29-2033	Nuclear Medicine Technologists	-112	76.62%
Associate's degree	29-2034	Radiologic Technologists and Technicians	-287	89.35%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-143	79.86%
Associate's degree	29-2051	Dietetic Technicians	-18	94.72%
Associate's degree	29-2056	Veterinary Technologists and Technicians	-66	93.78%
Associate's degree	31-2011	Occupational Therapy Assistants	-38	88.99%
Associate's degree	31-2021	Physical Therapist Assistants	-82	90.28%
Associate's degree	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	-59	90.48%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-789	87.45%
Associate's degree	35-1011	Chefs and Head Cooks	-400	88.75%
Associate's degree	39-4011	Embalmers	-8	85.45%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-26	83.75%
Associate's degree	43-3061	Procurement Clerks	-71	89.03%
Associate's degree	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-21	85.91%
Associate's degree	49-2091	Avionics Technicians	-43	87.46%
Associate's degree	49-3011	Aircraft Mechanics and Service Technicians	-342	89.54%
Associate's degree	49-9062	Medical Equipment Repairers	-6	99.00%
Associate's degree	51-8091	Chemical Plant and System Operators	-17	87.68%
Associate's degree	53-2021	Air Traffic Controllers	-7	96.98%
Associate's degree	53-6041	Traffic Technicians	-1	98.57%
Postsecondary nondegree award	13-1032	Insurance Appraisers, Auto Damage	-10	91.80%
Postsecondary nondegree award	13-2082	Tax Preparers	-44	93.83%
Postsecondary nondegree award	15-1232	Computer User Support Specialists	-824	89.86%
Postsecondary nondegree award	19-5012	Occupational Health and Safety Technicians	-17	81.32%
Postsecondary nondegree award	27-3092	Court Reporters and Simultaneous Captioners	-19	92.49%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-235	86.94%
Postsecondary nondegree award	29-2052	Pharmacy Technicians	-592	90.27%
Postsecondary nondegree award	29-2053	Psychiatric Technicians	-30	97.40%
Postsecondary nondegree award	29-2055	Surgical Technologists	-127	89.84%
Postsecondary nondegree award	29-2057	Ophthalmic Medical Technicians	-8	98.12%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-3,310	62.90%
Postsecondary nondegree award	29-2081	Opticians, Dispensing	-18	96.85%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-31	80.00%
Postsecondary nondegree award	29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	-291	91.75%
Postsecondary nondegree award	29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	-94	90.06%
Postsecondary nondegree award	31-1131	Nursing Assistants	-7,587	62.03%
Postsecondary nondegree award	31-9091	Dental Assistants	-491	86.53%
Postsecondary nondegree award	31-9092	Medical Assistants	-1,350	87.26%
Postsecondary nondegree award	31-9097	Phlebotomists	-103	91.69%
Postsecondary nondegree award	33-9011	Animal Control Workers	-17	85.22%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-76	79.68%
Postsecondary nondegree award	39-5011	Barbers	-194	89.99%
Postsecondary nondegree award	39-5012	Hairdressers, Hairstylists, and Cosmetologists	-551	91.55%
Postsecondary nondegree award	39-5091	Makeup Artists, Theatrical and Performance	-4	87.10%
Postsecondary nondegree award	39-5094	Skincare Specialists	-143	88.35%
Postsecondary nondegree award	39-9031	Exercise Trainers and Group Fitness Instructors	-485	88.84%
Postsecondary nondegree award	41-9021	Real Estate Brokers	-213	88.02%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-2,082	79.63%
Postsecondary nondegree award	47-2031	Carpenters	-885	91.89%
Postsecondary nondegree award	47-2111	Electricians	-970	88.05%
Postsecondary nondegree award	47-2152	Plumbers, Pipefitters, and Steamfitters	-747	87.91%
Postsecondary nondegree award	47-4011	Construction and Building Inspectors	-113	92.63%
Postsecondary nondegree award	47-4021	Elevator and Escalator Installers and Repairers	-49	87.50%
Postsecondary nondegree award	49-2011	Computer, Automated Teller, and Office Machine Repairers	-52	96.33%
Postsecondary nondegree award	49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	-8	84.62%
Postsecondary nondegree award	49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	-13	96.51%
Postsecondary nondegree award	49-2097	Audiovisual Equipment Installers and Repairers	-51	88.25%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-239	87.70%
Postsecondary nondegree award	49-3023	Automotive Service Technicians and Mechanics	-847	89.63%
Postsecondary nondegree award	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	-191	90.94%
Postsecondary nondegree award	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	-119	93.36%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-30	89.09%
Postsecondary nondegree award	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-29	87.22%
Postsecondary nondegree award	49-9041	Industrial Machinery Mechanics	-140	93.56%
Postsecondary nondegree award	49-9044	Millwrights	-1	98.96%
Postsecondary nondegree award	49-9051	Electrical Power-Line Installers and Repairers	-33	95.39%
Postsecondary nondegree award	49-9092	Commercial Divers	-19	82.57%
Postsecondary nondegree award	51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	-48	87.94%
Postsecondary nondegree award	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	-6	57.14%
Postsecondary nondegree award	51-4111	Tool and Die Makers	-1	99.15%
Postsecondary nondegree award	51-4121	Welders, Cutters, Solderers, and Brazers	-233	88.51%
Postsecondary nondegree award	51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	-12	85.71%
Postsecondary nondegree award	51-5111	Prepress Technicians and Workers	-1	99.66%
Postsecondary nondegree award	51-8021	Stationary Engineers and Boiler Operators	-12	82.09%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-128	87.87%
Postsecondary nondegree award	51-8099	Plant and System Operators, All Other	-1	99.24%
Postsecondary nondegree award	51-9082	Medical Appliance Technicians	-2	96.92%
Postsecondary nondegree award	53-2012	Commercial Pilots	-2	99.56%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-2,366	86.72%
Postsecondary nondegree award	53-5031	Ship Engineers	-8	81.40%

* Consensus estimating conferences generally operate on the assumption that current law and current administrative practices will remain in effect throughout the period for which the official information developed by the conference is to be used. See s. 216.134(1), F.S. The Labor Market Estimating Conference (LMEC) follows this current law/current administration approach and assumes that all current material efforts by stakeholders to provide training or education will continue without significant interruption. The LMEC also assumes that lists adopted prior to the effective date of CS/CS/CS/HB 1507 (2021) and through June 30, 2022, that are used to guide those efforts will continue to be used unless or until further analysis adopted by the LMEC clearly indicates otherwise.

Workforce Region 13 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	19-4031	Chemical Technicians	-2	97.22%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-63	82.15%
Associate's degree	29-2033	Nuclear Medicine Technologists	-17	86.29%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-18	88.75%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-4	93.44%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-373	81.45%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-5	82.14%
Postsecondary nondegree award	31-1131	Nursing Assistants	-845	80.37%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-12	84.62%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-257	83.84%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-3	94.12%
Postsecondary nondegree award	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	-1	83.33%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-163	91.28%

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Workforce Region 14 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-	Percent 2032
Associate's degree	15-1231	Computer Network Support Specialists	-53	89.29%
Associate's degree	15-1257	Web Developers and Digital Interface Designers	-47	90.66%
Associate's degree	17-3011	Architectural and Civil Drafters	-26	89.30%
Associate's degree	17-3019	Drafters, All Other	-3	91.18%
Associate's degree	17-3021	Aerospace Engineering and Operations Technologists and Technicians	-1	95.00%
Associate's degree	17-3023	Electrical and Electronic Engineering Technologists and Technicians	-37	89.86%
Associate's degree	17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	-4	83.33%
Associate's degree	17-3025	Environmental Engineering Technologists and Technicians	-1	96.00%
Associate's degree	17-3027	Mechanical Engineering Technologists and Technicians	-3	93.02%
Associate's degree	19-4010	Agricultural and Food Science Technicians	-2	84.62%
Associate's degree	19-4031	Chemical Technicians	-8	90.24%
Associate's degree	23-2011	Paralegals and Legal Assistants	-50	97.49%
Associate's degree	23-2099	Legal Support Workers, All Other	-8	91.84%
Associate's degree	25-2011	Preschool Teachers, Except Special Education	-330	88.24%
Associate's degree	25-4031	Library Technicians	-23	90.30%
Associate's degree	27-3099	Media and Communication Workers, All Other	-2	93.94%
Associate's degree	27-4011	Audio and Video Technicians	-20	90.34%
Associate's degree	27-4014	Sound Engineering Technicians	-3	93.48%
Associate's degree	27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	-2	94.74%
Associate's degree	29-1126	Respiratory Therapists	-36	90.58%
Associate's degree	29-1292	Dental Hygienists	-62	89.20%
Associate's degree	29-2010	Clinical Laboratory Technologists and Technicians	-70	95.26%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-74	71.65%
Associate's degree	29-2032	Diagnostic Medical Sonographers	-33	90.81%
Associate's degree	29-2033	Nuclear Medicine Technologists	-19	75.00%
Associate's degree	29-2034	Radiologic Technologists and Technicians	-67	89.37%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-35	78.92%
Associate's degree	29-2056	Veterinary Technologists and Technicians	-26	94.21%
Associate's degree	31-2011	Occupational Therapy Assistants	-14	90.67%
Associate's degree	31-2021	Physical Therapist Assistants	-36	89.92%
Associate's degree	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	-32	90.53%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-331	87.40%
Associate's degree	35-1011	Chefs and Head Cooks	-100	88.73%
Associate's degree	39-4011	Embalmers	-3	92.68%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-8	84.62%
Associate's degree	43-3061	Procurement Clerks	-14	90.21%
Associate's degree	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-4	90.48%
Associate's degree	49-2091	Avionics Technicians	-4	93.10%
Associate's degree	49-3011	Aircraft Mechanics and Service Technicians	-31	89.35%
Associate's degree	49-9062	Medical Equipment Repairers	-3	99.13%
Associate's degree	49-9081	Wind Turbine Service Technicians	-1	90.91%
Associate's degree	51-8091	Chemical Plant and System Operators	-6	88.68%
Associate's degree	53-2021	Air Traffic Controllers	-24	78.38%
Postsecondary nondegree award	13-1032	Insurance Appraisers, Auto Damage	-3	94.23%
Postsecondary nondegree award	13-2082	Tax Preparers	-21	93.14%
Postsecondary nondegree award	15-1232	Computer User Support Specialists	-318	89.76%
Postsecondary nondegree award	19-5012	Occupational Health and Safety Technicians	-4	87.10%
Postsecondary nondegree award	27-3092	Court Reporters and Simultaneous Captioners	-2	97.10%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-102	87.06%
Postsecondary nondegree award	29-2052	Pharmacy Technicians	-229	90.23%
Postsecondary nondegree award	29-2053	Psychiatric Technicians	-7	96.09%
Postsecondary nondegree award	29-2055	Surgical Technologists	-33	89.85%
Postsecondary nondegree award	29-2057	Ophthalmic Medical Technicians	-8	98.03%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-1,642	65.64%
Postsecondary nondegree award	29-2081	Opticians, Dispensing	-12	96.92%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-10	81.48%
Postsecondary nondegree award	29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	-105	91.73%
Postsecondary nondegree award	29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	-8	91.92%
Postsecondary nondegree award	31-1131	Nursing Assistants	-3,694	64.77%
Postsecondary nondegree award	31-9091	Dental Assistants	-125	86.28%
Postsecondary nondegree award	31-9092	Medical Assistants	-490	87.17%
Postsecondary nondegree award	31-9097	Phlebotomists	-28	91.79%
Postsecondary nondegree award	33-2021	Fire Inspectors and Investigators	-9	84.48%
Postsecondary nondegree award	33-9011	Animal Control Workers	-3	86.96%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-58	65.06%
Postsecondary nondegree award	39-5011	Barbers	-29	90.00%
Postsecondary nondegree award	39-5012	Hairdressers, Hairstylists, and Cosmetologists	-366	91.47%
Postsecondary nondegree award	39-5091	Makeup Artists, Theatrical and Performance	-1	87.50%
Postsecondary nondegree award	39-5094	Skincare Specialists	-32	87.15%
Postsecondary nondegree award	39-9031	Exercise Trainers and Group Fitness Instructors	-179	88.76%
Postsecondary nondegree award	41-3021	Insurance Sales Agents	-525	86.64%
Postsecondary nondegree award	41-9021	Real Estate Brokers	-41	88.01%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-1,117	64.73%
Postsecondary nondegree award	47-2031	Carpenters	-229	91.86%
Postsecondary nondegree award	47-2111	Electricians	-258	88.05%
Postsecondary nondegree award	47-2152	Plumbers, Pipefitters, and Steamfitters	-220	87.73%
Postsecondary nondegree award	47-4011	Construction and Building Inspectors	-29	92.75%
Postsecondary nondegree award	47-4021	Elevator and Escalator Installers and Repairers	-5	90.00%
Postsecondary nondegree award	49-2011	Computer, Automated Teller, and Office Machine Repairers	-18	96.56%
Postsecondary nondegree award	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	-66	92.83%
Postsecondary nondegree award	49-2097	Audiovisual Equipment Installers and Repairers	-13	90.30%
Postsecondary nondegree award	49-2098	Security and Fire Alarm Systems Installers	-45	84.27%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-85	87.50%
Postsecondary nondegree award	49-3023	Automotive Service Technicians and Mechanics	-255	89.54%
Postsecondary nondegree award	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	-44	90.87%
Postsecondary nondegree award	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	-22	93.06%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-34	73.64%
Postsecondary nondegree award	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-4	93.44%
Postsecondary nondegree award	49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	-310	87.26%
Postsecondary nondegree award	49-9041	Industrial Machinery Mechanics	-42	93.30%
Postsecondary nondegree award	49-9051	Electrical Power-Line Installers and Repairers	-14	95.14%
Postsecondary nondegree award	49-9092	Commercial Divers	-2	86.67%
Postsecondary nondegree award	51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	-3	90.91%
Postsecondary nondegree award	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	-2	71.43%
Postsecondary nondegree award	51-4041	Machinists	-128	90.11%
Postsecondary nondegree award	51-4121	Welders, Cutters, Solderers, and Brazers	-139	88.46%
Postsecondary nondegree award	51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	-3	91.67%
Postsecondary nondegree award	51-8021	Stationary Engineers and Boiler Operators	-2	88.24%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-163	87.58%
Postsecondary nondegree award	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	-271	86.25%
Postsecondary nondegree award	51-9082	Medical Appliance Technicians	-1	98.46%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-1,063	70.50%

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Workforce Region 15 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent
Associate's degree	11-9171	Funeral Home Managers	-4	90.00%
Associate's degree	15-1231	Computer Network Support Specialists	-131	88.24%
Associate's degree	15-1257	Web Developers and Digital Interface Designers	-151	89.62%
Associate's degree	17-3011	Architectural and Civil Drafters	-179	88.69%
Associate's degree	17-3012	Electrical and Electronics Drafters	-3	95.00%
Associate's degree	17-3013	Mechanical Drafters	-5	97.88%
Associate's degree	17-3019	Drafters, All Other	-21	83.85%
Associate's degree	17-3021	Aerospace Engineering and Operations Technologists and Technicians	-6	86.05%
Associate's degree	17-3022	Civil Engineering Technologists and Technicians	-43	93.00%
Associate's degree	17-3023	Electrical and Electronic Engineering Technologists and Technicians	-67	88.81%
Associate's degree	17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	-6	82.86%
Associate's degree	17-3025	Environmental Engineering Technologists and Technicians	-18	86.86%
Associate's degree	17-3027	Mechanical Engineering Technologists and Technicians	-9	88.61%
Associate's degree	19-4010	Agricultural and Food Science Technicians	-10	74.36%
Associate's degree	19-4031	Chemical Technicians	-26	86.17%
Associate's degree	23-2011	Paralegals and Legal Assistants	-171	96.05%
Associate's degree	23-2099	Legal Support Workers, All Other	-28	87.56%
Associate's degree	25-2011	Preschool Teachers, Except Special Education	-315	86.22%
Associate's degree	25-4031	Library Technicians	-30	90.26%
Associate's degree	27-3099	Media and Communication Workers, All Other	-14	87.83%
Associate's degree	27-4011	Audio and Video Technicians	-38	90.75%
Associate's degree	27-4014	Sound Engineering Technicians	-8	88.41%
Associate's degree	27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	-27	88.61%
Associate's degree	29-1124	Radiation Therapists	-4	94.44%
Associate's degree	29-1126	Respiratory Therapists	-89	88.90%
Associate's degree	29-1292	Dental Hygienists	-113	88.14%
Associate's degree	29-2010	Clinical Laboratory Technologists and Technicians	-192	93.94%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-181	73.07%
Associate's degree	29-2032	Diagnostic Medical Sonographers	-49	89.73%
Associate's degree	29-2033	Nuclear Medicine Technologists	-30	77.44%
Associate's degree	29-2034	Radiologic Technologists and Technicians	-139	88.17%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-100	80.73%
Associate's degree	29-2051	Dietetic Technicians	-6	93.41%
Associate's degree	29-2056	Veterinary Technologists and Technicians	-56	91.97%
Associate's degree	31-2011	Occupational Therapy Assistants	-33	87.73%
Associate's degree	31-2021	Physical Therapist Assistants	-64	88.57%
Associate's degree	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	-33	89.35%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-412	86.17%
Associate's degree	35-1011	Chefs and Head Cooks	-101	87.55%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-13	84.15%
Associate's degree	43-3061	Procurement Clerks	-50	87.95%
Associate's degree	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-12	86.52%
Associate's degree	49-2091	Avionics Technicians	-18	85.71%
Associate's degree	49-3011	Aircraft Mechanics and Service Technicians	-96	88.09%
Associate's degree	49-9062	Medical Equipment Repairers	-13	97.53%
Associate's degree	51-8091	Chemical Plant and System Operators	-38	85.16%
Associate's degree	53-2021	Air Traffic Controllers	-22	90.09%
Associate's degree	53-6041	Traffic Technicians	-6	97.65%
Postsecondary nondegree award	13-1032	Insurance Appraisers, Auto Damage	-58	90.03%
Postsecondary nondegree award	13-2082	Tax Preparers	-76	92.37%
Postsecondary nondegree award	15-1232	Computer User Support Specialists	-768	88.47%
Postsecondary nondegree award	19-5012	Occupational Health and Safety Technicians	-14	74.07%
Postsecondary nondegree award	27-3092	Court Reporters and Simultaneous Captioners	-33	90.24%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-185	85.63%
Postsecondary nondegree award	29-2052	Pharmacy Technicians	-256	88.82%
Postsecondary nondegree award	29-2053	Psychiatric Technicians	-26	96.41%
Postsecondary nondegree award	29-2055	Surgical Technologists	-92	88.51%
Postsecondary nondegree award	29-2057	Ophthalmic Medical Technicians	-9	96.07%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-1,482	67.13%
Postsecondary nondegree award	29-2081	Opticians, Dispensing	-14	95.10%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-52	81.09%
Postsecondary nondegree award	29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	-216	90.39%
Postsecondary nondegree award	29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	-20	88.95%
Postsecondary nondegree award	31-1131	Nursing Assistants	-2,777	66.22%
Postsecondary nondegree award	31-9091	Dental Assistants	-222	85.35%
Postsecondary nondegree award	31-9092	Medical Assistants	-639	85.96%
Postsecondary nondegree award	31-9097	Phlebotomists	-73	90.33%
Postsecondary nondegree award	33-2021	Fire Inspectors and Investigators	-2	97.14%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-50	74.62%
Postsecondary nondegree award	39-5011	Barbers	-46	88.83%
Postsecondary nondegree award	39-5012	Hairdressers, Hairstylists, and Cosmetologists	-363	90.14%
Postsecondary nondegree award	39-5091	Makeup Artists, Theatrical and Performance	-1	92.31%
Postsecondary nondegree award	39-5094	Skincare Specialists	-47	86.65%
Postsecondary nondegree award	39-9031	Exercise Trainers and Group Fitness Instructors	-181	87.43%
Postsecondary nondegree award	41-3021	Insurance Sales Agents	-42	99.33%
Postsecondary nondegree award	41-9021	Real Estate Brokers	-75	86.39%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-1,457	74.21%
Postsecondary nondegree award	47-2031	Carpenters	-476	90.55%
Postsecondary nondegree award	47-2111	Electricians	-642	86.70%
Postsecondary nondegree award	47-2152	Plumbers, Pipefitters, and Steamfitters	-313	86.58%
Postsecondary nondegree award	47-4011	Construction and Building Inspectors	-83	91.19%
Postsecondary nondegree award	47-4021	Elevator and Escalator Installers and Repairers	-14	87.16%
Postsecondary nondegree award	49-2011	Computer, Automated Teller, and Office Machine Repairers	-24	95.28%
Postsecondary nondegree award	49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	-4	95.88%
Postsecondary nondegree award	49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	-2	95.35%
Postsecondary nondegree award	49-2097	Audiovisual Equipment Installers and Repairers	-24	87.56%
Postsecondary nondegree award	49-2098	Security and Fire Alarm Systems Installers	-42	96.29%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-100	86.21%
Postsecondary nondegree award	49-3023	Automotive Service Technicians and Mechanics	-566	88.25%
Postsecondary nondegree award	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	-199	89.61%
Postsecondary nondegree award	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	-72	92.03%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-24	83.89%
Postsecondary nondegree award	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-36	86.67%
Postsecondary nondegree award	49-9041	Industrial Machinery Mechanics	-100	92.25%
Postsecondary nondegree award	49-9044	Millwrights	-4	92.31%
Postsecondary nondegree award	49-9051	Electrical Power-Line Installers and Repairers	-16	94.81%
Postsecondary nondegree award	49-9092	Commercial Divers	-5	85.71%
Postsecondary nondegree award	51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	-10	81.82%
Postsecondary nondegree award	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	-1	83.33%
Postsecondary nondegree award	51-4111	Tool and Die Makers	-5	91.23%
Postsecondary nondegree award	51-4121	Welders, Cutters, Solderers, and Brazers	-185	87.35%
Postsecondary nondegree award	51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	-10	78.72%
Postsecondary nondegree award	51-5111	Prepress Technicians and Workers	-5	89.58%
Postsecondary nondegree award	51-8021	Stationary Engineers and Boiler Operators	-11	76.60%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-64	86.24%
Postsecondary nondegree award	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	-18	98.95%
Postsecondary nondegree award	51-9082	Medical Appliance Technicians	-7	88.14%
Postsecondary nondegree award	53-2012	Commercial Pilots	-3	98.27%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-2,637	80.82%
Postsecondary nondegree award	53-5031	Ship Engineers	-26	90.19%

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Workforce Region 16 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met

No critical undersupply occupations have been identified for this region.

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Workforce Region 17 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-4	97.18%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-347	85.52%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-2	92.86%
Postsecondary nondegree award	31-1131	Nursing Assistants	-727	84.45%
Postsecondary nondegree award	47-4021	Elevator and Escalator Installers and Repairers	-1	97.62%

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Workforce Region 18 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	17-3019	Drafters, All Other	-2	94.74%
Associate's degree	19-4031	Chemical Technicians	-5	90.20%
Associate's degree	23-2099	Legal Support Workers, All Other	-4	91.84%
Associate's degree	25-2011	Preschool Teachers, Except Special Education	-27	97.04%
Associate's degree	27-4014	Sound Engineering Technicians	-3	93.88%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-38	88.76%
Associate's degree	29-2033	Nuclear Medicine Technologists	-5	91.67%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-1	99.39%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-8	84.31%
Associate's degree	49-2091	Avionics Technicians	-1	97.30%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-3	99.43%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-783	79.79%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-1	97.44%
Postsecondary nondegree award	31-1131	Nursing Assistants	-1,660	78.74%
Postsecondary nondegree award	31-9091	Dental Assistants	-8	99.04%
Postsecondary nondegree award	31-9092	Medical Assistants	-10	99.60%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-22	87.57%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-278	86.73%
Postsecondary nondegree award	47-4021	Elevator and Escalator Installers and Repairers	-1	98.48%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-1	98.97%
Postsecondary nondegree award	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-3	94.55%
Postsecondary nondegree award	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	-1	75.00%
Postsecondary nondegree award	51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	-4	91.30%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-167	94.50%

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Workforce Region 19 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-2	99.59%
Postsecondary nondegree award	31-1131	Nursing Assistants	-19	98.14%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-4	85.71%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-27	86.08%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-98	93.85%

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Workforce Region 20 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-42	98.39%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-2	93.10%
Postsecondary nondegree award	31-1131	Nursing Assistants	-112	97.12%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-16	98.92%

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Workforce Region 21 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	17-3019	Drafters, All Other	-2	96.36%
Associate's degree	19-4031	Chemical Technicians	-7	96.89%
Associate's degree	25-2011	Preschool Teachers, Except Special Education	-70	96.22%
Associate's degree	27-3099	Media and Communication Workers, All Other	-4	94.59%
Associate's degree	27-4014	Sound Engineering Technicians	-2	97.62%
Associate's degree	27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	-3	96.00%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-67	86.76%
Associate's degree	29-2033	Nuclear Medicine Technologists	-7	92.78%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-15	95.56%
Associate's degree	31-2011	Occupational Therapy Assistants	-1	99.56%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-56	98.40%
Associate's degree	35-1011	Chefs and Head Cooks	-3	99.67%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-9	88.46%
Associate's degree	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-1	98.11%
Associate's degree	49-2091	Avionics Technicians	-1	99.34%
Associate's degree	53-2021	Air Traffic Controllers	-4	95.40%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-16	97.86%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-743	84.67%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-3	95.65%
Postsecondary nondegree award	31-1131	Nursing Assistants	-1522	83.52%
Postsecondary nondegree award	31-9091	Dental Assistants	-40	97.43%
Postsecondary nondegree award	31-9092	Medical Assistants	-103	98.16%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-85	79.37%
Postsecondary nondegree award	39-5091	Makeup Artists, Theatrical and Performance	-1	96.00%
Postsecondary nondegree award	39-5094	Skincare Specialists	-7	99.28%
Postsecondary nondegree award	39-9031	Exercise Trainers and Group Fitness Instructors	-3	99.82%
Postsecondary nondegree award	41-9021	Real Estate Brokers	-7	98.94%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-1186	78.95%
Postsecondary nondegree award	47-2111	Electricians	-45	99.08%
Postsecondary nondegree award	47-2152	Plumbers, Pipefitters, and Steamfitters	-26	98.90%
Postsecondary nondegree award	47-4021	Elevator and Escalator Installers and Repairers	-4	95.70%
Postsecondary nondegree award	49-2097	Audiovisual Equipment Installers and Repairers	-1	99.30%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-10	98.54%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-19	89.08%
Postsecondary nondegree award	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-1	99.08%
Postsecondary nondegree award	51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	-4	98.63%
Postsecondary nondegree award	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	-2	71.43%
Postsecondary nondegree award	51-4121	Welders, Cutters, Solderers, and Brazers	-6	99.34%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-5	98.90%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-911	85.97%

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Workforce Region 22 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-87	80.58%
Associate's degree	29-2033	Nuclear Medicine Technologists	-22	84.40%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-58	89.88%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-7	93.64%
Associate's degree	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-2	97.87%
Associate's degree	53-2021	Air Traffic Controllers	-4	96.26%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-1,120	79.12%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-11	89.22%
Postsecondary nondegree award	31-1131	Nursing Assistants	-2,034	78.06%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-100	79.84%
Postsecondary nondegree award	39-5091	Makeup Artists, Theatrical and Performance	-2	90.91%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-1,364	79.30%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-155	89.79%
Postsecondary nondegree award	51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	-1	99.07%
Postsecondary nondegree award	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	-2	71.43%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-1,457	86.37%

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Workforce Region 23 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	17-3019	Drafters, All Other	-6	94.29%
Associate's degree	17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	-1	97.37%
Associate's degree	17-3027	Mechanical Engineering Technologists and Technicians	-4	95.60%
Associate's degree	19-4010	Agricultural and Food Science Technicians	-2	95.35%
Associate's degree	19-4031	Chemical Technicians	-1	99.72%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-234	81.08%
Associate's degree	29-2033	Nuclear Medicine Technologists	-50	86.45%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-54	88.91%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-27	99.63%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-10	93.55%
Associate's degree	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-6	94.64%
Associate's degree	49-2091	Avionics Technicians	-1	99.77%
Associate's degree	51-8091	Chemical Plant and System Operators	-5	95.05%
Associate's degree	53-2021	Air Traffic Controllers	-42	93.97%
Postsecondary nondegree award	19-5012	Occupational Health and Safety Technicians	-2	96.88%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-20	98.95%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-1,368	81.25%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-12	91.95%
Postsecondary nondegree award	31-1131	Nursing Assistants	-2,762	80.14%
Postsecondary nondegree award	31-9091	Dental Assistants	-66	98.55%
Postsecondary nondegree award	31-9092	Medical Assistants	-46	99.39%
Postsecondary nondegree award	33-9011	Animal Control Workers	-1	98.75%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-181	77.76%
Postsecondary nondegree award	39-5091	Makeup Artists, Theatrical and Performance	-4	88.89%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-2,053	77.40%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-4	99.72%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-54	87.35%
Postsecondary nondegree award	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-1	99.60%
Postsecondary nondegree award	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	-5	44.44%
Postsecondary nondegree award	51-8021	Stationary Engineers and Boiler Operators	-2	97.14%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-3	99.71%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-2,842	84.30%

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Workforce Region 24 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	27-3099	Media and Communication Workers, All Other	-1	97.67%
Associate's degree	27-4014	Sound Engineering Technicians	-1	97.87%
Associate's degree	27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	-1	97.67%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-13	95.17%
Associate's degree	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-1	98.08%
Associate's degree	51-8091	Chemical Plant and System Operators	-4	91.67%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-713	84.47%
Postsecondary nondegree award	31-1131	Nursing Assistants	-1,465	83.35%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-22	93.39%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-374	93.00%

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Tab 3

Methodology

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Labor Market Estimating Conference
Methodology

Wage Analysis

Educational Requirements...

A total of eight classifications are generally used to represent the typical education level most workers need to enter an occupation: "No formal education credential," "High school diploma or equivalent," "Some college, no degree," "Postsecondary nondegree award," "Associate's degree," "Bachelor's degree," "Master's degree," and "Doctoral or professional degree."

To assign a unique educational requirement to each occupation, a master list was developed by combining two products: (1) the Florida SkillsEngine CIP-SOC crosswalk, produced by PAIRIN Inc. under contract with the Florida Department of Education; and (2) the Education and Training Assignments by detailed occupation, produced by the US Department of Labor, Bureau of Labor Statistics (BLS). PAIRIN's crosswalk used the BLS 2018 SOC taxonomy, while the BLS educational assignments used the 2019 Occupational Employment and Wages Statistics (OEWS) hybrid SOC taxonomy. The PAIRIN educational requirement was available for 75 percent of the final occupations list (591 occupations out of 790). For the remaining 199 occupations, the BLS educational assignment was used.

The assignment procedure contained the following steps:

- For occupations that had a one-to-one linkage between the occupation and the educational requirement in PAIRIN's crosswalk:
    - A direct assignment was made, preserving the PAIRIN code.

- For occupations that had multiple educational requirements in PAIRIN's crosswalk:
    - As directed by the Reimagining Education and Career Help (REACH) and DOE workgroup, 17 occupations (using 2018 SOC counts) were assigned the lower educational requirement.

- For occupations that had "Recognized industry credential" as the educational requirement in PAIRIN's crosswalk:
    - As directed by the REACH and DOE workgroup, 84 occupations (using 2018 SOC counts) were re-named "Postsecondary nondegree award" to match the category name in BLS's codes (but not necessarily the BLS educational assignment).

- For occupations that were absent from PAIRIN's crosswalk (199 using 2019 OEWS Hybrid SOC codes):
    - BLS educational requirement codes were assigned.

Wage Metrics...

Statewide wages for Florida rely on the BLS Occupational Employment and Wages Program estimates from May 2020, consistent with the October 2021 Labor Market Estimating Conference.

Three wage metrics were developed for each occupation: a "representative starting wage" corresponding to the 10th percentile wage; an "average annual wage" corresponding to the average (mean) wage; and a "high-level wage threshold" corresponding to the 75th percentile wage. These

occupational metrics were compared to the universe of all occupations, as well as to a grouping of occupations that had the same educational requirement.

A percentile wage estimate is the value of a wage below which a certain percent of workers fall. For example, across all occupations, 10 percent of employees earn less than $20,530 while 90 percent of employees earn more than $20,530. The table below shows the three wage metrics for the occupations within each of the eight educational classifications in 2020. Both the statewide percentile estimates and the average annual wage are published by BLS and are based on the education levels assigned by BLS for each occupation.[1]

Florida Wage Metrics by Educational Requirement (2020)

Key	Representative Starting Wage ($) 10th Percentile	Average Annual Wage ($) Mean	High-Level Wage Threshold ($) 75th Percentile
All Occupations	20,530	50,020	59,380
No formal educational credential	19,160	28,040	31,470
High school diploma or equivalent	22,200	42,430	50,240
Some college, no degree	21,770	40,290	48,230
Postsecondary nondegree award	23,930	42,240	50,620
Associate's degree	25,650	53,480	67,370
Bachelor's degree	34,890	80,570	96,750
Master's degree	34,490	78,040	99,590
Doctoral or professional degree	45,510	134,520	170,700

Each occupation's metrics were used to determine if the associated wages were above or below the counterpart wages for all occupations and for the grouping of occupations that had the same educational requirement. A simple "Yes" or "No" was used to indicate whether the respective wage for the occupation was at or above that metric for the comparison group.

The table below details overall wage findings for the 790 occupations. For example, 283 of the 790 occupations were below the representative starting wage for all occupations. This means that the 10th percentile wage for each of these occupations is below the 10th percentile wage calculated for the entire array of occupations. On the other hand, 507 of the 790 occupations were at or above the representative starting wage of $20,530. The table also shows the share of occupations that meet or do not meet the wage metric by educational requirement. For example, 27.1 percent of the occupations that require a postsecondary nondegree award do not meet the representative starting wage for that grouping. This means that the 10th percentile wage for each of these occupations is below the 10th percentile wage calculated for all occupations that require a postsecondary nondegree award. Conversely, 72.9 percent of the occupations that require a postsecondary nondegree award meet the representative starting wage of $23,930.

See table on following page.

[1] Typical entry-level educational requirement data, May 2020, Occupational Employment and Wage Statistics, US Department of Labor, Bureau of Labor Statistics, https://www.bls.gov/oes/additional.htm.

Florida Occupational Code Counts by Wage Metric and Educational Requirement

	Number of SOCs by Educational Requirement	Representative Starting Wage 10th Percentile		Average Annual Wage Mean		High-Level Wage Threshold 75th Percentile	
		Does Not Meet Threshold	Meets Threshold	Does Not Meet Threshold	Meets Threshold	Does Not Meet Threshold	Meets Threshold
All Occupations	790	283	507	444	346	451	339
No formal educational credential	83	22.9%	77.1%	30.1%	69.9%	31.3%	68.7%
High school diploma or equivalent	234	37.6%	62.4%	74.4%	25.6%	73.5%	26.5%
Some college, no degree	48	31.3%	68.8%	27.1%	72.9%	27.1%	72.9%
Postsecondary nondegree award	85	27.1%	72.9%	32.9%	67.1%	34.1%	65.9%
Associate's degree	63	17.5%	82.5%	42.9%	57.1%	55.6%	44.4%
Bachelor's degree	172	46.5%	53.5%	61.6%	38.4%	58.1%	41.9%
Master's degree	42	47.6%	52.4%	61.9%	38.1%	71.4%	28.6%
Doctoral or professional degree	63	42.9%	57.1%	71.4%	28.6%	73.0%	27.0%

Labor Market Estimating Conference, Office of Economic and Demographic Research (September 2022).

For workforce regions, the procedure was similar to the statewide wage analysis; however, the comparison metrics were derived from weighted averages that were specific to each geography and its occupations. While BLS uses the complete set of raw data to calculate the statewide wage metrics, the Office of Economic and Demographic Research (EDR) does not have access to the individual wage records needed to replicate that methodology in its entirety. The weighted average approach was selected as the next closest alternative. In addition, the regional metrics were based on BLS education levels to maintain consistency with the statewide metrics.

Critical Undersupply Determination

Functional Labor Supply...

The functional labor supply analysis is based on historical labor force and employment data for Florida and its counties from BLS and official statewide projections adopted by the Florida Economic Estimating Conference (FEEC) in accordance with ss. 216.133-216.136, Florida Statutes.

The supply determination procedure contained the following steps:

- A ratio of annual occupational employment to the official labor force projection was calculated for each occupation for three consecutive fiscal years: 2017-18, 2018-19, and 2019-20. From the three annual ratios, the maximum was selected as the representative ratio of labor supply for that occupation. These maximum ratios were increased proportionally such that the sum across all occupations represented 100 percent of the labor force.

- The statewide functional labor supply in each year of the forecast was calculated by reducing the FEEC statewide labor force by a frictional unemployment factor equal to the Noncyclical Unemployment Rate of 4.258 percent in 2032 from the Congressional Budget Office projections. The analysis assumes that the frictional unemployment rate is the same for each occupation and held constant throughout the forecast period.

- In order to produce functional labor supply by occupation for each forecasted year, the statewide functional labor supply was allocated to each occupation based on its adjusted maximum ratio. These ratios were held constant throughout the forecast period.

- To distribute the functional labor supply to Florida's 24 workforce regions, each workforce region's labor force was calculated from aggregated monthly county labor force data published by BLS for the 2018-19 fiscal year and grown by that region's growth rate of population aged 18

years and above. Regional occupational ratios were then calculated; however, these ratios were solely based on the 2018-19 fiscal year, instead of the maximum ratio from three consecutive fiscal years that was used in the statewide analysis. Before the occupational ratios were applied to the forecasted years, the region's labor force was further adjusted downward to account for friction. The ratios were otherwise held constant throughout the forecast period. In this regard, if there was no employment in the 2018-19 fiscal year for a given occupation in a workforce region, no supply was allocated to that occupation in any year of the forecast period.

- Occupational supply by workforce region was rebalanced at key points to ensure additivity to the statewide estimates across both occupations and regions.

Labor Demand...
The labor demand analysis is based on the relationship between statewide OEWS occupational employment (including the self-employed) and Florida resident population in fiscal year 2018-19. The 2018-19 fiscal year was selected as the base year to minimize the temporary labor market fluctuations caused by the COVID-19 pandemic. Future population projections are consistent with official estimates adopted by the Demographic Estimating Conference.

The demand determination procedure contained the following steps:

- To determine the most appropriate growth rate by occupation, the analysis relied on Florida's per capita OEWS employment (without self-employed) by occupation compared to all states and the District of Columbia for fiscal years 2016-17, 2017-18, and 2018-19. A set of per capita ratios was generated using state employment published by BLS and population data published by the US Census Bureau. Published national OEWS estimates by occupation were used for the series mean, and a standard deviation of per capita employment for each occupation for each of the three fiscal years was calculated. By occupation, Florida's ratios were then compared to the national mean in each year and evaluated to see if they fell within one standard deviation.

- Of the 790 occupations, 587 fell within one standard deviation from the US ratio for each of the three fiscal years. Most of these occupations received uniform treatment throughout the forecast horizon, and were projected using Florida's total population growth rate adopted by the Demographic Estimating Conference.

- The remaining 203 occupations either failed the test above or were missing BLS employment data for one of the three fiscal years, making it impossible to conduct the test. These occupations were individually reviewed by EDR staff for special treatment, and forecast using adopted forecasts from various state estimating conferences, industry and occupational research, or national forecasts. In addition, even though some teaching and health care occupations met the test described above, they were designated for special treatment and individual reviews by analysts were completed.

- To allocate statewide demand among Florida's 24 workforce regions, the demand for labor within each region was estimated using a methodology similar to the statewide approach. For the 587 occupations receiving uniform treatment, population growth rates specific to the workforce region were applied instead of Florida's statewide population growth rates. The 203 occupations receiving special treatment maintained their statewide growth rates as determined by EDR staff, unless the rates were population-based. In those cases, the growth rates reflected

the applicable regional population growth for the selected cohort. In this regard, if there was no employment in the 2018-19 fiscal year for a given occupation in a workforce region, no demand was allocated to that occupation in any year of the forecast period.

- Occupational demand by workforce region was rebalanced at key points to ensure additivity to the statewide estimates across both occupations and regions.

Critical Undersupply...
After supply and demand were independently modeled both statewide and by region, the gap analysis was performed by subtracting demand from supply for each year to identify those occupations that are projected to be undersupplied (shown as negative values).

In the final year of the forecast horizon, the "Percent 2032 Demand Met" was estimated as a ratio of supply to demand for the 2031-32 fiscal year. Occupations that are below 100 percent have greater projected demand than supply. For example, if an occupation's share of supply relative to demand is 80 percent, that occupation is projected to meet only 80 percent of its demand for labor in fiscal year 2031-32. The difference—the amount or percentage of undersupply—is the gap considered by this conference. Each gap is considered a critical undersupply and a high priority for the state to address since reasonable assumptions based on current and projected data fail to produce a current scenario where the need is met organically.

Additional Notes
Missing Wages...
Missing annual average wages for 31 occupations at the statewide level were substituted with annual wages of the closest related occupation based on O*NET's Career Changers Matrix scores ranging from 1 (best match) to 10. The Career Changers Matrix identifies closely related occupations based on similar skills, experience, and educational requirements. The Career Changers Matrix was used to identify occupations for replacement wages, under the assumption that a skills-based index provides a close approximation of annual average wage for the missing occupation in Florida. Resulting matches from the Career Changers Matrix were then manually reviewed to ensure the best occupational replacement was selected. In this manner, Florida wages were used instead of national occupational wages or wages for a given occupation from a neighboring state.

In addition, average and 10th percentile wages for three occupations were suppressed by BLS since the reported wage was equal to or greater than $208,000 per year. These missing wages were replaced with the respective national wage for that occupation, adjusted to a Florida wage using the US Bureau of Economic Analysis Regional Price Parities. The 75th percentile wage for 13 Florida occupations was both suppressed at the statewide level and unavailable at the national level. These wages were noted with an asterisk under the High-Level Wage Threshold in the wage analysis.

Substitutions for missing wages in workforce regions were based on the statewide wage for the respective occupation, using the US Bureau of Economic Analysis Regional Price Parities (RPPs) to account for regional price differences. To do this, EDR staff re-indexed the RPPs to make the State of Florida the baseline (100), with each of the state's metropolitan statistical areas (MSAs) compared to it.

When necessary, EDR also assigned the RPP index value of the closest corresponding MSA to each workforce region.

Missing Employment Observations at the Statewide Level...
The analysis used the complete BLS 2019 OEWS hybrid SOC taxonomy, comprising 790 occupations. Of those, BLS OESW had published employment for 731 occupations. When BLS OESW employment was suppressed (either employment or wages were not published for the occupation) or missing (the occupation is missing from the BLS file since neither the wage nor the employment were published), two additional data sources were used to fill in occupational employment: OESW data from the Department of Economic Opportunity (DEO) and occupational employment data from IMPLAN. These alternative sources allowed EDR to construct a more complete dataset populated with estimates for each of the 790 occupations. The analysis assumes that each of these 790 occupations exists in Florida.

Sources
Occupational Taxonomy – Codes and Titles...
In certain instances, occupational codes and titles were used in this analysis from the US Department of Labor, Bureau of Labor Statistics, Standard Occupational Classification System and the National Employment Matrix Occupational Coverage, BLS Office of Occupational Statistics and Employment Projections (https://www.bls.gov/soc/home.htm). The OEWS data for the base year used in this analysis was published using a hybrid classification system referred to as the "2019 OEWS Hybrid." The 2019 OEWS Hybrid forms a bridge between the 2010 and the 2018 Standard Occupational Classification (SOC) systems. The hybrid system contains 790 detailed occupations, excluding military. As this analysis moves to the next vintages of OEWS data, the SOC classification used will move to the 2018 SOC.

The 2018 Standard Occupational Classification (SOC) system is a federal statistical standard used by federal agencies to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data. All workers are classified into one of 867 detailed occupations according to their occupational definition. To facilitate classification, detailed occupations are combined to form 459 broad occupations, 98 minor groups, and 23 major groups. Detailed occupations in the SOC with similar job duties, and in some cases skills, education, and/or training, are grouped together. This analysis focuses on the 22 civilian occupational groups and excludes military occupations (major group 55). To reflect changes in the economy and the nature of work, the SOC is revised on a 10-year cycle.

Annual Average Wages and Employment by Occupation...
- State Occupational Employment and Wage Estimates, US Department of Labor, Bureau of Labor Statistics, https://www.bls.gov/oes/current/oes_fl.htm.
- Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research, OES Occupational Employment Statistics and Wages - FloridaJobs.org.

The Occupational Employment and Wage Statistics (OEWS) survey is a national semiannual survey measuring occupational employment and wage rates for wage and salary workers in nonfarm establishments in the United States. It is the most detailed public source of occupational data available in terms of both occupational nomenclature and local geographies. OEWS estimates are constructed from a sample of about 1.1 million national establishments. Each year, two semiannual panels of approximately 180,000 to 185,000 sampled establishments are contacted, one panel in May and the other in November. Responses are obtained by mail, internet or other electronic means, email,

telephone, or personal visit. The May 2020 estimates are based on responses from six semiannual panels collected over a 3-year period: May 2020, November 2019, May 2019, November 2018, May 2018, and November 2017. The unweighted sampled employment of 83 million across all six semiannual panels represents approximately 56 percent of total national employment. In Florida, the OEWS survey draws its sample from state Reemployment Assistance (unemployment insurance) files. This data source excludes the self-employed since they are not subject to the Reemployment Assistance tax and the OEWS does not collect data on them. The Florida sample for OEWS is slightly less than 11,000 units (establishments) per survey panel and approximately 66,000 total units over the six panels comprising the data used to publish the annual release.

National self-employment factors were applied to occupational employment based on data from the US Department of Labor, Bureau of Labor Statistics. These factors expand the occupational employment estimates to account for the self-employed. Some occupations, such as barbers and real estate brokers, tend to have more self-employed or sole proprietors (unincorporated businesses) than others.
Wages for the OEWS survey are straight-time, gross pay, exclusive of premium pay. Base rate; cost-of-living allowances; guaranteed pay; hazardous-duty pay; incentive pay, including commissions and production bonuses; and tips are included. Excluded are overtime pay, severance pay, shift differentials, nonproduction bonuses, employer cost for supplementary benefits, and tuition reimbursements.

In order to combine the panels, wage data collected over the span of the three years is updated to the current panel's reference period using the BLS Employment Cost Index (ECI). Wages for the current panel need no further adjustment. The wage updating procedure adjusts each detailed occupation's wage rate, as measured in the earlier panel, according to the average movement of its broader occupational division. For more information on the methodology, please see https://www.bls.gov/oes/current/oes_tec.htm.

Employment Estimates from IMPLAN...
IMPLAN (www.implan.com) is a proprietary economic modeling platform that combines a set of extensive databases, economic factors, multipliers, and demographic statistics with a highly refined modeling system. IMPLAN is based on an input-output economic model. Input-output analysis is a form of economic analysis based on the interdependencies between economic sectors. Input-output is commonly used to estimate the impacts of "shocks" to an economy and to analyze their resulting ripple effects. IMPLAN data contains 546 sectors representing all private industries in the United States as defined by the North American Industry Classification System (NAICS) codes. Employment, employee compensation, industry expenditures, commodity demands, relationships between industries, and more are collected to form IMPLAN's ever-growing database.

Florida SkillsEngine CIP to SOC Crosswalk...
Florida SkillsEngine, a subcontractor of PAIRIN Inc., created a new CIP to SOC crosswalk under contract with the Florida Department of Education using data from the National Center for Education Statistics (NCES). PAIRIN describes the crosswalk as follows: "The Classification of Instructional Programs (CIP) provides a taxonomic scheme that supports the accurate tracking and reporting of fields of study and program completions activity. The value of a CIP to SOC crosswalk is to demonstrate the connection between the world of work and the world of education using CIP programs and SOC occupational titles as functional proxies. These proxies are imperfect representations of their respective 'worlds', each with inherently different qualities, organizational constructs, and clearing mechanisms. The ultimate goal of a CIP to SOC crosswalk is to draw a reasonable association between these two worlds so the

educational community can, if it chooses, demonstrate or plan to offer programs-of-study aligned with existing or future labor market demand."

Noncyclical Rate of Unemployment from the Congressional Budget Office...
Since 1975, The Congressional Budget Office (CBO) has produced independent analyses of budgetary and economic issues to support the Congressional budget process. Each year, the agency's economists and budget analysts produce dozens of reports and hundreds of cost estimates for proposed legislation. CBO does not make policy recommendations, and each report and cost estimate summarizes the methodology underlying the analysis.

The noncyclical rate of unemployment is the measure of frictional and structural unemployment when labor demand and supply are in equilibrium. Prior to July 2021, COB identified this series as the natural rate of unemployment. See: 10-Year Economic Projections, Congressional Budget Office, Budget and Economic Data | Congressional Budget Office (cbo.gov); current data release: May 2022.

Statewide Wage Summary

					Representative Starting Wage		Average Annual Wage		High-Level Wage Threshold	
	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric	Does Not Meet Metric	Meets Metric
All Occupations	790	20,530	50,020	59,380	283	507	444	346	451	339
No formal educational credential	83	19,160	28,040	31,470	22.9%	77.1%	30.1%	69.9%	31.3%	68.7%
High school diploma or equivalent	234	22,200	42,430	50,240	37.6%	62.4%	74.4%	25.6%	73.5%	26.5%
Some college, no degree	48	21,770	40,290	48,230	31.3%	68.8%	27.1%	72.9%	27.1%	72.9%
Postsecondary nondegree award	85	23,930	42,240	50,620	27.1%	72.9%	32.9%	67.1%	34.1%	65.9%
Associate's degree	63	25,650	53,480	67,370	17.5%	82.5%	42.9%	57.1%	55.6%	44.4%
Bachelor's degree	172	34,890	80,570	96,750	46.5%	53.5%	61.6%	38.4%	58.1%	41.9%
Master's degree	42	34,490	78,040	99,590	47.6%	52.4%	61.9%	38.1%	71.4%	28.6%
Doctoral or professional degree	63	45,510	134,520	170,700	42.9%	57.1%	71.4%	28.6%	73.0%	27.0%

Workforce Region Wage Summary

Workforce Region 1	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	780	27,828	45,511	53,145	444	336	435	345	411	369
No formal educational credential	82	19,884	26,633	29,295	46.3%	53.7%	29.3%	70.7%	28.0%	72.0%
High school diploma or equivalent	225	25,372	39,614	46,891	68.0%	32.0%	72.9%	27.1%	71.1%	28.9%
Some college, no degree	48	22,192	38,259	45,041	25.0%	75.0%	37.5%	62.5%	27.1%	72.9%
Postsecondary nondegree award	85	27,306	39,665	46,948	47.1%	52.9%	30.6%	69.4%	29.4%	70.6%
Associate's degree	63	33,122	49,891	58,403	65.1%	34.9%	47.6%	52.4%	41.3%	58.7%
Bachelor's degree	172	38,480	71,174	85,746	52.9%	47.1%	60.5%	39.5%	58.7%	41.3%
Master's degree	42	47,631	74,010	86,352	64.3%	35.7%	59.5%	40.5%	50.0%	50.0%
Doctoral or professional degree	63	53,655	130,899	139,979	66.7%	33.3%	69.8%	30.2%	66.7%	33.3%

Workforce Region 2	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	772	29,589	47,900	56,308	486	286	460	312	446	326
No formal educational credential	80	20,224	27,636	31,018	50.0%	50.0%	36.3%	63.8%	30.0%	70.0%
High school diploma or equivalent	222	26,739	41,254	48,868	74.8%	25.2%	74.8%	25.2%	73.0%	27.0%
Some college, no degree	48	23,679	40,544	48,609	35.4%	64.6%	39.6%	60.4%	43.8%	56.3%
Postsecondary nondegree award	85	26,786	40,484	47,601	38.8%	61.2%	35.3%	64.7%	34.1%	65.9%
Associate's degree	63	35,185	52,798	61,547	68.3%	31.7%	54.0%	46.0%	50.8%	49.2%
Bachelor's degree	172	44,476	80,301	96,665	65.1%	34.9%	64.0%	36.0%	62.8%	37.2%
Master's degree	41	37,952	80,136	94,449	61.0%	39.0%	68.3%	31.7%	65.9%	34.1%
Doctoral or professional degree	61	63,817	126,598	138,184	82.0%	18.0%	72.1%	27.9%	70.5%	29.5%

Workforce Region 3	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	710	27,325	42,847	50,333	444	266	381	329	362	348
No formal educational credential	75	19,614	26,585	29,433	54.7%	45.3%	41.3%	58.7%	36.0%	64.0%
High school diploma or equivalent	192	25,424	38,810	46,017	80.7%	19.3%	78.1%	21.9%	75.0%	25.0%
Some college, no degree	46	22,228	31,323	36,116	37.0%	63.0%	13.0%	87.0%	21.7%	78.3%
Postsecondary nondegree award	79	25,072	35,719	41,245	44.3%	55.7%	26.6%	73.4%	25.3%	74.7%
Associate's degree	61	31,033	48,650	58,155	59.0%	41.0%	39.3%	60.7%	39.3%	60.7%
Bachelor's degree	166	36,301	63,214	76,125	54.2%	45.8%	54.2%	45.8%	49.4%	50.6%
Master's degree	35	40,243	64,956	77,427	68.6%	31.4%	57.1%	42.9%	51.4%	48.6%
Doctoral or professional degree	56	57,685	109,376	122,082	82.1%	17.9%	69.6%	30.4%	66.1%	33.9%

Workforce Region Wage Summary

Workforce Region 4	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	763	28,409	46,090	53,585	454	309	432	331	409	354
No formal educational credential	80	20,254	28,339	31,363	46.3%	53.8%	38.8%	61.3%	33.8%	66.3%
High school diploma or equivalent	219	26,087	41,029	47,881	70.3%	29.7%	74.0%	26.0%	70.8%	29.2%
Some college, no degree	47	21,714	34,682	40,321	34.0%	66.0%	29.8%	70.2%	27.7%	72.3%
Postsecondary nondegree award	83	25,501	37,938	44,488	38.6%	61.4%	28.9%	71.1%	30.1%	69.9%
Associate's degree	63	32,650	50,899	60,293	61.9%	38.1%	47.6%	52.4%	47.6%	52.4%
Bachelor's degree	172	40,404	74,523	90,277	57.6%	42.4%	59.9%	40.1%	55.8%	44.2%
Master's degree	39	46,805	75,164	88,715	69.2%	30.8%	61.5%	38.5%	53.8%	46.2%
Doctoral or professional degree	60	73,989	138,342	140,703	83.3%	16.7%	73.3%	26.7%	70.0%	30.0%

Workforce Region 5	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	778	29,323	47,829	55,049	460	318	424	354	396	382
No formal educational credential	81	19,570	26,314	29,028	45.7%	54.3%	33.3%	66.7%	29.6%	70.4%
High school diploma or equivalent	226	26,036	40,363	47,249	73.0%	27.0%	75.7%	24.3%	73.9%	26.1%
Some college, no degree	48	23,070	38,170	45,576	39.6%	60.4%	31.3%	68.8%	31.3%	68.8%
Postsecondary nondegree award	84	25,356	37,894	44,506	40.5%	59.5%	29.8%	70.2%	29.8%	70.2%
Associate's degree	63	31,545	48,396	56,531	60.3%	39.7%	34.9%	65.1%	30.2%	69.8%
Bachelor's degree	172	37,680	66,336	76,693	58.1%	41.9%	57.6%	42.4%	54.1%	45.9%
Master's degree	42	39,798	63,578	74,759	66.7%	33.3%	54.8%	45.2%	42.9%	57.1%
Doctoral or professional degree	62	52,296	105,519	115,801	62.9%	37.1%	67.7%	32.3%	56.5%	43.5%

Workforce Region 6	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	710	26,499	39,360	45,248	443	267	343	367	327	383
No formal educational credential	74	19,432	24,631	26,967	56.8%	43.2%	25.7%	74.3%	25.7%	74.3%
High school diploma or equivalent	202	25,539	36,870	42,233	81.2%	18.8%	69.3%	30.7%	65.8%	34.2%
Some college, no degree	46	21,602	30,577	35,519	37.0%	63.0%	15.2%	84.8%	15.2%	84.8%
Postsecondary nondegree award	78	23,608	34,078	38,749	41.0%	59.0%	24.4%	75.6%	24.4%	75.6%
Associate's degree	61	28,798	45,016	52,601	44.3%	55.7%	24.6%	75.4%	26.2%	73.8%
Bachelor's degree	164	38,109	64,992	77,068	58.5%	41.5%	54.9%	45.1%	51.2%	48.8%
Master's degree	35	38,659	65,096	79,921	68.6%	31.4%	54.3%	45.7%	54.3%	45.7%
Doctoral or professional degree	50	59,678	100,801	114,540	82.0%	18.0%	68.0%	32.0%	60.0%	40.0%

Workforce Region Wage Summary

Workforce Region 7	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	735	27,155	42,378	49,383	452	283	391	344	374	361
No formal educational credential	74	19,615	26,360	29,388	52.7%	47.3%	40.5%	59.5%	37.8%	62.2%
High school diploma or equivalent	209	25,038	38,368	44,289	72.7%	27.3%	72.7%	27.3%	69.4%	30.6%
Some college, no degree	46	21,962	30,604	33,456	32.6%	67.4%	10.9%	89.1%	6.5%	93.5%
Postsecondary nondegree award	80	24,872	37,567	44,196	46.3%	53.8%	32.5%	67.5%	33.8%	66.3%
Associate's degree	63	32,906	48,886	57,213	66.7%	33.3%	42.9%	57.1%	39.7%	60.3%
Bachelor's degree	168	36,066	62,771	75,325	54.8%	45.2%	51.2%	48.8%	51.2%	48.8%
Master's degree	36	43,348	67,740	78,757	75.0%	25.0%	66.7%	33.3%	52.8%	47.2%
Doctoral or professional degree	59	64,843	113,879	135,499	81.4%	18.6%	69.5%	30.5%	69.5%	30.5%

Workforce Region 8	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	787	29,883	49,942	58,596	453	334	461	326	455	332
No formal educational credential	82	20,103	27,292	30,290	42.7%	57.3%	29.3%	70.7%	30.5%	69.5%
High school diploma or equivalent	232	26,511	43,026	50,974	65.5%	34.5%	75.9%	24.1%	75.4%	24.6%
Some college, no degree	48	25,776	39,546	46,148	35.4%	64.6%	31.3%	68.8%	25.0%	75.0%
Postsecondary nondegree award	85	27,938	43,741	51,799	45.9%	54.1%	41.2%	58.8%	43.5%	56.5%
Associate's degree	63	35,589	54,819	64,223	52.4%	47.6%	49.2%	50.8%	47.6%	52.4%
Bachelor's degree	172	41,857	79,441	96,253	55.8%	44.2%	61.0%	39.0%	61.6%	38.4%
Master's degree	42	52,458	79,467	92,052	69.0%	31.0%	66.7%	33.3%	61.9%	38.1%
Doctoral or professional degree	63	69,156	140,269	148,531	82.5%	17.5%	74.6%	25.4%	69.8%	30.2%

Workforce Region 9	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	777	30,002	48,779	56,954	464	313	421	356	407	370
No formal educational credential	81	20,277	27,388	30,441	51.9%	48.1%	33.3%	66.7%	29.6%	70.4%
High school diploma or equivalent	224	24,932	39,341	45,923	64.3%	35.7%	71.9%	28.1%	69.6%	30.4%
Some college, no degree	48	24,791	36,834	43,415	41.7%	58.3%	25.0%	75.0%	25.0%	75.0%
Postsecondary nondegree award	85	27,129	39,635	45,631	49.4%	50.6%	32.9%	67.1%	29.4%	70.6%
Associate's degree	63	34,170	50,951	59,841	68.3%	31.7%	39.7%	60.3%	41.3%	58.7%
Bachelor's degree	172	38,973	68,307	82,904	55.8%	44.2%	55.8%	44.2%	55.8%	44.2%
Master's degree	42	43,868	74,309	86,126	66.7%	33.3%	66.7%	33.3%	59.5%	40.5%
Doctoral or professional degree	62	61,705	119,062	130,964	79.0%	21.0%	71.0%	29.0%	69.4%	30.6%

Workforce Region Wage Summary

Workforce Region 10	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	782	26,761	42,752	49,700	462	320	433	349	420	362
No formal educational credential	83	19,811	26,328	29,401	48.2%	51.8%	30.1%	69.9%	28.9%	71.1%
High school diploma or equivalent	229	24,747	38,475	44,643	68.6%	31.4%	74.2%	25.8%	69.4%	30.6%
Some college, no degree	48	21,471	34,162	38,425	27.1%	72.9%	22.9%	77.1%	20.8%	79.2%
Postsecondary nondegree award	85	25,599	37,172	44,345	37.6%	62.4%	28.2%	71.8%	36.5%	63.5%
Associate's degree	63	31,076	47,974	55,603	57.1%	42.9%	44.4%	55.6%	42.9%	57.1%
Bachelor's degree	172	37,695	69,515	83,654	61.0%	39.0%	60.5%	39.5%	57.6%	42.4%
Master's degree	39	48,830	77,819	93,324	69.2%	30.8%	66.7%	33.3%	66.7%	33.3%
Doctoral or professional degree	63	60,563	130,323	143,386	82.5%	17.5%	71.4%	28.6%	69.8%	30.2%

Workforce Region 11	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	776	27,129	43,490	50,189	427	349	425	351	409	367
No formal educational credential	79	20,088	26,878	30,030	44.3%	55.7%	31.6%	68.4%	30.4%	69.6%
High school diploma or equivalent	227	24,807	39,482	46,243	59.5%	40.5%	73.1%	26.9%	69.2%	30.8%
Some college, no degree	48	22,456	33,420	38,597	29.2%	70.8%	22.9%	77.1%	25.0%	75.0%
Postsecondary nondegree award	85	25,360	37,334	43,115	42.4%	57.6%	27.1%	72.9%	25.9%	74.1%
Associate's degree	63	32,299	47,502	55,439	58.7%	41.3%	41.3%	58.7%	46.0%	54.0%
Bachelor's degree	172	38,264	69,430	81,507	54.7%	45.3%	60.5%	39.5%	58.7%	41.3%
Master's degree	39	46,201	72,065	84,564	69.2%	30.8%	61.5%	38.5%	51.3%	48.7%
Doctoral or professional degree	63	61,882	127,019	136,249	77.8%	22.2%	73.0%	27.0%	69.8%	30.2%

Workforce Region 12	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	789	28,543	47,820	56,206	427	362	451	338	429	360
No formal educational credential	83	20,127	27,345	30,038	37.3%	62.7%	33.7%	66.3%	28.9%	71.1%
High school diploma or equivalent	233	25,840	41,871	48,953	61.4%	38.6%	73.8%	26.2%	71.7%	28.3%
Some college, no degree	48	25,160	40,354	47,056	37.5%	62.5%	35.4%	64.6%	33.3%	66.7%
Postsecondary nondegree award	85	27,203	41,844	49,969	38.8%	61.2%	34.1%	65.9%	35.3%	64.7%
Associate's degree	63	34,010	52,151	61,753	54.0%	46.0%	38.1%	61.9%	28.6%	71.4%
Bachelor's degree	172	42,292	82,042	99,822	58.1%	41.9%	64.5%	35.5%	63.4%	36.6%
Master's degree	42	49,502	75,710	87,761	71.4%	28.6%	64.3%	35.7%	54.8%	45.2%
Doctoral or professional degree	63	54,595	121,808	143,471	60.3%	39.7%	68.3%	31.7%	66.7%	33.3%

Workforce Region Wage Summary

Workforce Region 13	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	784	32,021	52,602	61,798	467	317	463	321	462	322
No formal educational credential	81	20,080	27,359	30,827	43.2%	56.8%	29.6%	70.4%	30.9%	69.1%
High school diploma or equivalent	231	26,158	41,968	49,733	63.6%	36.4%	74.9%	25.1%	73.6%	26.4%
Some college, no degree	48	25,407	39,004	45,936	39.6%	60.4%	33.3%	66.7%	31.3%	68.8%
Postsecondary nondegree award	85	27,347	39,915	46,532	34.1%	65.9%	29.4%	70.6%	31.8%	68.2%
Associate's degree	63	34,802	54,001	66,165	63.5%	36.5%	55.6%	44.4%	65.1%	34.9%
Bachelor's degree	172	49,021	86,237	104,115	69.8%	30.2%	66.9%	33.1%	67.4%	32.6%
Master's degree	41	46,727	75,513	88,689	68.3%	31.7%	63.4%	36.6%	53.7%	46.3%
Doctoral or professional degree	63	69,358	147,443	150,628	77.8%	22.2%	77.8%	22.2%	73.0%	27.0%

Workforce Region 14	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	787	30,203	50,544	59,017	436	351	448	339	427	360
No formal educational credential	81	20,277	28,473	32,512	38.3%	61.7%	32.1%	67.9%	32.1%	67.9%
High school diploma or equivalent	233	25,784	42,091	49,093	57.9%	42.1%	76.8%	23.2%	73.4%	26.6%
Some college, no degree	48	26,537	42,262	48,972	39.6%	60.4%	31.3%	68.8%	31.3%	68.8%
Postsecondary nondegree award	85	26,238	39,252	45,324	37.6%	62.4%	24.7%	75.3%	27.1%	72.9%
Associate's degree	63	33,519	50,750	58,884	54.0%	46.0%	34.9%	65.1%	34.9%	65.1%
Bachelor's degree	172	43,909	82,388	98,583	64.5%	35.5%	68.6%	31.4%	62.2%	37.8%
Master's degree	42	49,890	74,879	87,691	59.5%	40.5%	54.8%	45.2%	50.0%	50.0%
Doctoral or professional degree	63	71,951	133,990	144,209	77.8%	22.2%	69.8%	30.2%	66.7%	33.3%

Workforce Region 15	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	788	30,778	53,886	63,653	443	345	484	304	465	323
No formal educational credential	83	20,319	28,734	33,134	41.0%	59.0%	34.9%	65.1%	34.9%	65.1%
High school diploma or equivalent	232	27,017	45,308	53,328	65.9%	34.1%	81.9%	18.1%	78.9%	21.1%
Some college, no degree	48	27,801	43,663	50,360	45.8%	54.2%	35.4%	64.6%	37.5%	62.5%
Postsecondary nondegree award	85	25,557	41,166	49,318	28.2%	71.8%	34.1%	65.9%	32.9%	67.1%
Associate's degree	63	35,628	54,689	63,727	61.9%	38.1%	47.6%	52.4%	47.6%	52.4%
Bachelor's degree	172	44,041	85,817	103,321	59.9%	40.1%	68.0%	32.0%	65.1%	34.9%
Master's degree	42	46,627	77,358	90,923	64.3%	35.7%	64.3%	35.7%	52.4%	47.6%
Doctoral or professional degree	63	56,302	128,713	144,403	65.1%	34.9%	71.4%	28.6%	68.3%	31.7%

Workforce Region Wage Summary

Workforce Region 16	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	777	28,073	44,415	51,547	433	344	402	375	385	392
No formal educational credential	82	20,383	27,412	31,078	40.2%	59.8%	28.0%	72.0%	31.7%	68.3%
High school diploma or equivalent	225	25,551	39,674	46,294	62.7%	37.3%	67.6%	32.4%	66.2%	33.8%
Some college, no degree	48	21,855	35,424	40,975	37.5%	62.5%	25.0%	75.0%	27.1%	72.9%
Postsecondary nondegree award	85	26,161	38,774	45,226	36.5%	63.5%	31.8%	68.2%	28.2%	71.8%
Associate's degree	63	34,575	48,039	55,256	65.1%	34.9%	33.3%	66.7%	25.4%	74.6%
Bachelor's degree	172	39,752	70,436	84,145	52.9%	47.1%	57.6%	42.4%	54.1%	45.9%
Master's degree	39	41,604	69,909	82,685	66.7%	33.3%	56.4%	43.6%	51.3%	48.7%
Doctoral or professional degree	63	68,968	134,163	142,404	82.5%	17.5%	73.0%	27.0%	69.8%	30.2%

Workforce Region 17	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	783	28,146	45,661	53,257	468	315	456	327	443	340
No formal educational credential	83	20,531	27,938	30,898	49.4%	50.6%	39.8%	60.2%	37.3%	62.7%
High school diploma or equivalent	230	25,567	41,607	49,207	66.1%	33.9%	74.8%	25.2%	73.9%	26.1%
Some college, no degree	48	23,508	35,251	41,212	31.3%	68.8%	20.8%	79.2%	18.8%	81.3%
Postsecondary nondegree award	85	26,152	42,124	51,288	45.9%	54.1%	38.8%	61.2%	43.5%	56.5%
Associate's degree	63	35,738	53,063	63,013	71.4%	28.6%	50.8%	49.2%	47.6%	52.4%
Bachelor's degree	172	40,929	73,087	87,342	57.6%	42.4%	60.5%	39.5%	59.3%	40.7%
Master's degree	39	45,613	73,905	85,412	69.2%	30.8%	66.7%	33.3%	51.3%	48.7%
Doctoral or professional degree	63	69,509	133,994	136,228	79.4%	20.6%	73.0%	27.0%	69.8%	30.2%

Workforce Region 18	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	784	28,758	47,659	55,456	448	336	457	327	445	339
No formal educational credential	83	20,733	29,666	33,092	45.8%	54.2%	39.8%	60.2%	34.9%	65.1%
High school diploma or equivalent	231	26,419	42,178	49,592	63.2%	36.8%	75.8%	24.2%	75.8%	24.2%
Some college, no degree	48	25,070	40,625	47,203	39.6%	60.4%	29.2%	70.8%	27.1%	72.9%
Postsecondary nondegree award	85	27,326	40,114	45,865	41.2%	58.8%	27.1%	72.9%	25.9%	74.1%
Associate's degree	63	37,738	54,485	64,109	66.7%	33.3%	49.2%	50.8%	54.0%	46.0%
Bachelor's degree	172	41,017	78,813	94,789	52.9%	47.1%	62.2%	37.8%	59.9%	40.1%
Master's degree	39	49,835	83,018	98,474	69.2%	30.8%	69.2%	30.8%	66.7%	33.3%
Doctoral or professional degree	63	69,399	147,603	157,052	79.4%	20.6%	74.6%	25.4%	68.3%	31.7%

Workforce Region Wage Summary

Workforce Region 19	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	741	26,346	40,761	47,233	446	295	398	343	376	365
No formal educational credential	80	19,878	26,911	30,103	56.3%	43.8%	43.8%	56.3%	37.5%	62.5%
High school diploma or equivalent	207	24,672	37,348	43,480	73.4%	26.6%	73.9%	26.1%	70.5%	29.5%
Some college, no degree	47	20,059	28,715	32,794	25.5%	74.5%	10.6%	89.4%	10.6%	89.4%
Postsecondary nondegree award	80	24,321	37,470	43,954	45.0%	55.0%	33.8%	66.3%	35.0%	65.0%
Associate's degree	63	29,565	43,122	50,852	50.8%	49.2%	25.4%	74.6%	23.8%	76.2%
Bachelor's degree	168	37,039	63,898	76,602	55.4%	44.6%	56.5%	43.5%	53.6%	46.4%
Master's degree	37	38,339	67,915	83,099	70.3%	29.7%	62.2%	37.8%	56.8%	43.2%
Doctoral or professional degree	59	72,557	131,578	136,326	84.7%	15.3%	74.6%	25.4%	69.5%	30.5%

Workforce Region 20	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	780	28,260	46,302	53,922	442	338	444	336	437	343
No formal educational credential	82	20,529	28,174	31,473	48.8%	51.2%	32.9%	67.1%	32.9%	67.1%
High school diploma or equivalent	228	25,359	41,670	49,318	60.1%	39.9%	75.0%	25.0%	73.7%	26.3%
Some college, no degree	48	23,080	39,451	47,553	35.4%	64.6%	35.4%	64.6%	39.6%	60.4%
Postsecondary nondegree award	85	27,141	41,490	49,628	41.2%	58.8%	30.6%	69.4%	41.2%	58.8%
Associate's degree	63	33,333	49,407	56,940	60.3%	39.7%	41.3%	58.7%	39.7%	60.3%
Bachelor's degree	172	39,349	72,293	86,914	55.8%	44.2%	59.3%	40.7%	55.8%	44.2%
Master's degree	39	46,524	75,210	88,920	66.7%	33.3%	64.1%	35.9%	59.0%	41.0%
Doctoral or professional degree	63	79,942	152,029	153,177	84.1%	15.9%	79.4%	20.6%	69.8%	30.2%

Workforce Region 21	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	787	29,910	52,561	61,942	403	384	435	352	419	368
No formal educational credential	82	20,170	28,356	32,122	26.8%	73.2%	25.6%	74.4%	25.6%	74.4%
High school diploma or equivalent	232	26,769	44,785	52,963	55.6%	44.4%	72.0%	28.0%	69.4%	30.6%
Some college, no degree	48	26,942	43,587	50,813	39.6%	60.4%	31.3%	68.8%	27.1%	72.9%
Postsecondary nondegree award	85	26,427	40,974	48,708	28.2%	71.8%	24.7%	75.3%	27.1%	72.9%
Associate's degree	63	35,185	55,401	64,847	54.0%	46.0%	38.1%	61.9%	34.9%	65.1%
Bachelor's degree	172	43,470	89,119	108,037	58.1%	41.9%	68.6%	31.4%	65.7%	34.3%
Master's degree	42	46,047	77,956	92,632	64.3%	35.7%	57.1%	42.9%	52.4%	47.6%
Doctoral or professional degree	63	65,864	145,694	157,132	76.2%	23.8%	71.4%	28.6%	69.8%	30.2%

Workforce Region Wage Summary

Workforce Region 22	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	787	29,536	52,079	60,994	392	395	439	348	426	361
No formal educational credential	82	20,065	28,898	31,981	26.8%	73.2%	29.3%	70.7%	25.6%	74.4%
High school diploma or equivalent	232	26,695	45,156	53,405	56.9%	43.1%	73.3%	26.7%	71.6%	28.4%
Some college, no degree	48	26,056	42,297	48,535	41.7%	58.3%	29.2%	70.8%	25.0%	75.0%
Postsecondary nondegree award	85	28,189	44,489	52,762	42.4%	57.6%	34.1%	65.9%	36.5%	63.5%
Associate's degree	63	32,549	54,049	63,860	42.9%	57.1%	36.5%	63.5%	31.7%	68.3%
Bachelor's degree	172	42,857	84,591	101,947	54.7%	45.3%	64.0%	36.0%	63.4%	36.6%
Master's degree	42	41,839	76,270	90,415	47.6%	52.4%	57.1%	42.9%	50.0%	50.0%
Doctoral or professional degree	63	60,089	147,392	158,445	65.1%	34.9%	71.4%	28.6%	73.0%	27.0%

Workforce Region 23	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	790	29,420	52,382	61,659	380	410	434	356	422	368
No formal educational credential	83	19,973	28,392	31,743	31.3%	68.7%	31.3%	68.7%	31.3%	68.7%
High school diploma or equivalent	234	25,429	43,892	52,172	51.7%	48.3%	70.5%	29.5%	68.4%	31.6%
Some college, no degree	48	25,615	42,031	49,410	35.4%	64.6%	27.1%	72.9%	25.0%	75.0%
Postsecondary nondegree award	85	27,508	42,949	50,970	41.2%	58.8%	30.6%	69.4%	35.3%	64.7%
Associate's degree	63	32,057	52,620	63,027	47.6%	52.4%	36.5%	63.5%	34.9%	65.1%
Bachelor's degree	172	43,843	87,121	104,479	54.7%	45.3%	64.5%	35.5%	62.8%	37.2%
Master's degree	42	42,124	75,478	90,877	50.0%	50.0%	54.8%	45.2%	47.6%	52.4%
Doctoral or professional degree	63	58,559	137,497	153,829	57.1%	42.9%	74.6%	25.4%	69.8%	30.2%

Workforce Region 24	Number of SOCs by Educational Requirement	Representative Starting Wage ($)	Average Annual Wage ($)	High-Level Wage Threshold ($)	Representative Starting Wage: Does Not Meet Metric	Representative Starting Wage: Meets Metric	Average Annual Wage: Does Not Meet Metric	Average Annual Wage: Meets Metric	High-Level Wage Threshold: Does Not Meet Metric	High-Level Wage Threshold: Meets Metric
All Occupations	788	28,787	47,661	55,179	453	335	464	324	451	337
No formal educational credential	83	21,169	29,900	33,699	45.8%	54.2%	39.8%	60.2%	38.6%	61.4%
High school diploma or equivalent	233	26,808	44,351	51,647	67.8%	32.2%	79.0%	21.0%	76.4%	23.6%
Some college, no degree	48	24,945	41,452	48,541	37.5%	62.5%	27.1%	72.9%	29.2%	70.8%
Postsecondary nondegree award	85	27,141	42,052	49,784	35.3%	64.7%	35.3%	64.7%	34.1%	65.9%
Associate's degree	63	35,877	53,434	61,783	60.3%	39.7%	44.4%	55.6%	42.9%	57.1%
Bachelor's degree	172	42,078	78,495	93,184	53.5%	46.5%	61.0%	39.0%	59.3%	40.7%
Master's degree	41	47,569	78,219	93,479	73.2%	26.8%	63.4%	36.6%	63.4%	36.6%
Doctoral or professional degree	63	67,756	138,481	146,590	77.8%	22.2%	71.4%	28.6%	68.3%	31.7%

Statewide Wages by Detailed Occupation

Wage Metrics

	Key	Representative Starting	Average Annual	High-Level	Number of SOCs by Educational Requirement
0	All Occupations	20,530	50,020	59,380	
1	No formal educational credential	19,160	28,040	31,470	83
2	High school diploma or equivalent	22,200	42,430	50,240	234
3	Some college, no degree	21,770	40,290	48,230	48
4	Postsecondary nondegree award	23,930	42,240	50,620	85
5	Associate's degree	25,650	53,480	67,370	63
6	Bachelor's degree	34,890	80,570	96,750	172
7	Master's degree	34,490	78,040	99,590	42
8	Doctoral or professional degree	45,510	134,520	170,700	63

* indicates a wage equal to or greater than $100.00 per hour or $208,000 per year

Wage Summary	**Representative Starting Wage**		**Average Annual Wage**		**High-Level Wage Threshold**	
	Does Not Meet Metric	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**	**Does Not Meet Metric**	**Meets Metric**
All Occupations	283	507	444	346	451	339
No formal educational credential	22.9%	77.1%	30.1%	69.9%	31.3%	68.7%
High school diploma or equivalent	37.6%	62.4%	74.4%	25.6%	73.5%	26.5%
Some college, no degree	31.3%	68.8%	27.1%	72.9%	27.1%	72.9%
Postsecondary nondegree award	27.1%	72.9%	32.9%	67.1%	34.1%	65.9%
Associate's degree	17.5%	82.5%	42.9%	57.1%	55.6%	44.4%
Bachelor's degree	46.5%	53.5%	61.6%	38.4%	58.1%	41.9%
Master's degree	47.6%	52.4%	61.9%	38.1%	71.4%	28.6%
Doctoral or professional degree	42.9%	57.1%	71.4%	28.6%	73.0%	27.0%

Workforce Region 1 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
11-1011	Chief Executives	43,596	170,701	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	38,746	85,402	101,065	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	38,289	90,953	124,417	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2011	Advertising and Promotions Managers	45,149	102,961	119,567	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	48,846	133,282	184,169	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	42,835	107,841	132,094	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	46,950	78,970	92,496	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	39,266	74,399	92,279	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	65,750	110,026	145,564	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	54,624	101,469	126,817	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	59,247	114,076	143,693	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	48,228	86,354	100,709	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	37,485	79,343	109,798	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3111	Compensation and Benefits Managers	63,811	94,175	118,417	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	55,382	85,303	93,256	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	57,423	102,844	100,990	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	34,385	73,925	78,372	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
11-9021	Construction Managers	18,560	68,363	87,738	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	33,242	45,745	53,065	Yes	Yes	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	53,319	86,529	103,459	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	43,903	91,127	107,975	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9039	Education Administrators, All Other	47,583	91,724	115,551	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9041	Architectural and Engineering Managers	89,347	153,441	182,356	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	35,518	58,817	74,088	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	42,861	81,889	90,057	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	27,953	55,876	79,668	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	61,158	98,457	113,758	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	57,762	91,494	112,520	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	66,752	82,233	90,717	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	32,657	55,633	65,420	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	39,738	64,074	75,341	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9161	Emergency Management Directors	45,010	77,051	93,304	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	47,744	87,060	99,544	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	52,451	100,477	124,860	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	31,743	79,600	95,723	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	34,979	59,263	73,704	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	34,565	54,447	70,733	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	45,624	63,942	74,976	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	32,176	61,430	84,391	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	39,051	64,321	74,592	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1071	Human Resources Specialists	31,933	56,953	68,951	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	17,611	54,806	74,316	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	56,432	77,230	87,899	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1111	Management Analysts	41,974	77,753	94,626	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	21,147	39,838	47,571	No	No	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	28,570	46,117	51,618	Yes	Yes	No	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	34,477	57,332	62,532	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	29,372	52,345	60,702	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	27,046	56,134	64,967	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	32,705	66,510	83,202	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	23,861	63,940	85,543	No	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	41,699	61,235	72,136	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2031	Budget Analysts	47,457	70,118	83,243	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	59,618	96,593	84,382	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
13-2052	Personal Financial Advisors	30,936	56,653	49,961	Yes	Yes	No	Bachelor's degree	No	No	No
13-2053	Insurance Underwriters	32,153	65,235	82,893	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	44,089	70,794	83,501	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2071	Credit Counselors	32,258	38,195	40,346	Yes	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	28,180	70,762	84,577	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,319	43,693	53,157	Yes	No	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	17,918	43,819	56,816	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	39,421	72,965	90,974	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1211	Computer Systems Analysts	33,728	63,508	82,553	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1212	Information Security Analysts	61,865	102,526	127,102	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	67,980	111,613	130,387	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	28,750	49,792	60,582	Yes	Yes	Yes	Associate's degree	No	No	Yes
15-1232	Computer User Support Specialists	27,304	43,269	50,945	No	No	No	Postsecondary nondegree award	No	Yes	Yes
15-1241	Computer Network Architects	30,978	90,666	122,356	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1244	Network and Computer Systems Administrators	42,134	66,655	78,368	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1245	Database Administrators and Architects	56,081	99,209	123,164	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	36,890	69,586	81,919	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	56,344	95,107	115,841	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	18,467	41,908	50,758	No	No	No	Associate's degree	No	No	No

Workforce Region 1 Wages by Detailed Occupation

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15-1299	Computer Occupations, All Other	34,926	85,489	106,449	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2011	Actuaries	45,996	108,636	133,969	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	65,524	98,225	111,083	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	34,098	70,773	106,149	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-2041	Statisticians	71,245	91,500	103,225	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	48,006	86,456	110,199	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	36,097	73,626	94,062	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-1012	Landscape Architects	39,930	67,245	84,642	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1021	Cartographers and Photogrammetrists	43,562	57,794	66,984	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	26,749	43,116	51,726	No	No	No	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	62,109	101,909	121,474	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	40,684	75,051	92,801	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	57,997	84,782	101,788	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	75,796	115,045	138,239	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	54,270	97,579	99,583	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	54,662	86,366	116,689	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	51,552	89,177	112,058	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	67,884	93,645	111,721	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	56,164	76,860	84,402	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	46,606	74,030	90,049	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	53,836	90,403	111,953	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	45,094	74,716	89,322	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	47,410	89,471	109,045	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	53,100	85,057	106,694	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	68,389	109,910	134,536	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	80,084	101,007	114,088	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	68,836	149,515	183,826	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	48,500	92,566	110,623	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	33,892	51,584	62,113	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	21,761	48,610	60,333	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	32,980	60,149	78,748	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3019	Drafters, All Other	31,213	51,345	59,198	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	37,883	63,877	82,391	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	34,091	49,630	57,724	Yes	Yes	Yes	Associate's degree	Yes	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	35,691	68,242	79,808	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	30,878	49,438	57,374	Yes	Yes	Yes	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	25,259	40,684	48,703	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	31,948	51,001	60,556	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	29,203	51,476	66,361	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	25,306	41,375	48,872	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	43,172	67,226	77,735	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	38,684	60,277	72,157	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	29,864	54,118	68,110	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	29,622	67,226	91,238	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1021	Biochemists and Biophysicists	41,028	74,325	84,642	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	33,688	58,435	71,338	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	29,420	40,000	43,394	Yes	No	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	36,978	73,441	93,350	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1031	Conservation Scientists	31,473	64,724	80,893	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1032	Foresters	43,205	70,594	90,289	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-1041	Epidemiologists	30,617	51,383	63,979	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	38,563	81,805	97,053	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	46,908	97,044	121,707	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	79,702	135,997	154,418	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	79,702	135,997	154,418	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	55,076	92,094	108,245	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	42,699	79,771	99,990	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2032	Materials Scientists	46,210	96,011	124,852	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	28,970	43,351	47,265	Yes	No	No	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	48,247	84,242	107,026	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	43,642	89,080	104,682	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	44,173	109,008	127,605	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	49,206	87,805	99,035	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	27,454	67,245	88,661	No	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	62,281	80,714	87,867	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
19-3032	Industrial-Organizational Psychologists	27,454	67,245	88,661	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	42,898	91,117	107,510	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	49,345	70,483	85,498	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	33,618	53,622	62,422	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	30,617	51,383	63,979	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	59,551	78,204	90,522	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	23,231	54,509	80,046	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists	58,286	92,690	106,850	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	59,961	88,828	101,789	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	17,946	33,939	41,102	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	32,245	41,058	47,572	Yes	No	No	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	30,545	56,545	73,755	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-4042	Environmental Science and Protection Technicians, Including Health	20,845	31,613	38,368	No	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	24,487	43,317	52,453	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	65,524	89,592	101,547	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	25,082	50,043	58,025	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	29,045	43,735	52,294	Yes	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	31,425	50,272	61,641	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	23,483	43,825	55,693	No	No	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	38,855	70,942	90,414	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-5012	Occupational Health and Safety Technicians	26,304	59,666	77,260	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	27,710	40,485	43,680	No	No	No	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	33,573	43,116	50,702	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	18,863	32,066	39,449	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	33,970	51,865	59,003	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	21,196	33,543	39,163	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	29,416	48,329	63,004	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	36,441	56,132	63,982	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	32,980	44,559	52,125	Yes	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	40,022	60,431	83,217	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
21-1091	Health Education Specialists	34,904	53,223	70,546	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	29,231	37,455	41,493	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	26,349	37,178	41,599	No	No	No	Some college, no degree	Yes	No	No
21-1094	Community Health Workers	28,053	36,201	38,834	Yes	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	26,680	39,280	46,120	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	29,085	51,564	69,894	Yes	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	26,474	48,272	58,421	No	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	18,263	40,470	53,653	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	50,536	116,140	140,136	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
23-1012	Judicial Law Clerks	28,208	47,773	54,043	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	36,144	95,425	116,860	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	23,761	66,315	93,806	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	135,895	174,699	159,367	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	31,198	46,303	55,128	Yes	Yes	Yes	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	31,380	48,880	57,151	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	21,773	37,705	51,900	No	No	No	Associate's degree	No	No	No
25-1011	Business Teachers, Postsecondary	55,355	101,565	119,446	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1021	Computer Science Teachers, Postsecondary	43,438	91,955	115,092	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	39,707	77,395	102,142	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	24,673	84,373	105,287	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	50,387	102,989	126,154	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	51,578	97,286	118,414	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	39,391	83,796	102,607	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	64,231	105,268	123,810	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	44,424	88,531	109,678	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	48,713	81,926	96,765	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	21,798	69,999	82,168	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	45,429	88,140	111,371	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	54,183	86,605	97,862	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	40,386	74,809	90,866	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	55,355	101,565	119,446	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1064	Geography Teachers, Postsecondary	48,861	81,330	95,797	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	49,299	87,638	98,737	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	39,074	75,916	90,578	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	40,042	75,590	92,169	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	41,075	78,279	103,854	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	53,467	108,524	115,781	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	53,467	108,524	115,781	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	39,493	63,672	75,562	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	40,833	66,063	77,860	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	36,981	83,275	90,671	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	52,285	141,533	187,584	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	34,311	69,552	81,870	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	31,083	92,187	105,445	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	38,702	67,459	79,712	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	29,082	71,422	98,932	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	44,033	80,019	103,128	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	27,129	77,488	89,108	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	42,005	87,117	102,440	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	39,493	63,672	75,562	Yes	Yes	Yes	Master's degree	No	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	34,318	50,648	58,338	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	29,520	52,071	61,719	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	21,351	51,987	65,347	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	19,791	28,557	31,108	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	33,315	53,885	64,305	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	35,796	61,611	75,001	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	35,160	55,068	68,416	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	27,882	54,927	70,157	Yes	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	36,460	57,244	68,687	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	40,600	60,686	69,050	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	29,817	57,867	73,609	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	38,079	59,495	71,850	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	38,163	55,476	65,114	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	38,870	58,667	70,278	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	26,068	48,220	58,621	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	34,559	49,045	58,459	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	31,415	47,053	50,700	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
25-3031	Substitute Teachers, Short-Term	20,949	36,163	31,464	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	25,254	63,659	83,529	No	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	25,426	40,516	47,196	No	No	No	Master's degree	No	No	No
25-4012	Curators	21,172	43,317	57,423	No	No	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	21,277	38,386	46,247	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	39,015	62,898	78,273	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	22,218	33,072	38,531	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	23,690	38,241	45,211	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	30,709	73,940	94,945	Yes	Yes	Yes	Master's degree	No	No	Yes
25-9044	Teaching Assistants, Postsecondary	17,807	35,474	45,773	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	19,561	36,335	40,778	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	34,802	46,740	54,675	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	65,262	119,811	124,290	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	17,062	30,497	36,618	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	17,881	44,117	59,067	No	No	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	39,707	61,226	72,771	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	28,264	79,730	97,472	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	37,102	62,882	73,422	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	30,134	58,211	67,319	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	21,610	29,935	34,992	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	29,021	47,683	59,518	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	50,955	80,021	93,134	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1026	Merchandise Displayers and Window Trimmers	24,424	32,330	35,445	No	No	No	Some college, no degree	Yes	No	No
27-1027	Set and Exhibit Designers	21,035	45,782	56,853	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	29,864	54,620	62,649	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	19,932	41,160	45,785	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	41,897	60,374	75,888	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-2021	Athletes and Sports Competitors	17,416	66,054	77,702	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	23,805	47,030	60,429	No	Yes	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	17,435	36,590	43,670	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	18,732	51,474	75,585	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	17,183	36,218	55,002	No	No	Yes	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	17,528	61,468	71,487	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	17,629	83,481	117,035	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	17,630	24,217	28,180	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,523	55,411	68,092	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	26,794	58,974	68,408	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	33,055	57,382	74,168	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	20,530	50,116	63,853	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	44,007	67,215	80,657	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-3043	Writers and Authors	26,440	63,477	66,417	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	46,952	68,207	80,264	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,039	47,587	78,204	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	18,230	20,750	20,010	No	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	25,468	43,260	50,009	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	19,998	38,517	48,066	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	21,965	52,574	60,388	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	22,303	34,284	39,326	No	No	No	Some college, no degree	Yes	No	No
27-4031	Camera Operators, Television, Video, and Film	21,789	46,387	57,681	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	29,659	50,220	60,509	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	23,007	75,599	98,151	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	33,532	73,287	84,140	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	118,391	224,102	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	59,393	218,621	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1023	Orthodontists	83,321	168,317	193,511	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	74,678	199,902	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	53,281	163,098	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	41,432	56,776	66,322	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041	Optometrists	78,529	137,968	160,680	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1051	Pharmacists	69,337	125,464	151,298	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
29-1071	Physician Assistants	72,953	99,195	107,581	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	148,753	240,479	169,303	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1122	Occupational Therapists	45,493	81,512	100,045	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-1123	Physical Therapists	56,353	86,432	101,664	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1124	Radiation Therapists	68,570	87,956	100,933	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	26,273	47,550	56,695	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	47,809	56,875	61,829	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	53,773	72,854	89,725	Yes	Yes	Yes	Master's degree	Yes	No	Yes
29-1128	Exercise Physiologists	33,055	50,378	61,858	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	40,507	65,735	81,587	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1131	Veterinarians	69,760	104,191	125,272	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	46,167	62,678	70,920	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	136,135	151,188	165,988	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,374	62,826	92,122	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	79,661	101,188	108,117	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	41,140	68,622	77,488	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	126,694	252,531	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	130,192	277,799	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	47,429	195,083	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	116,032	228,464	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	54,732	147,245	183,482	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1223	Psychiatrists	43,624	293,725	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	24,262	208,194	*	No	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	48,387	227,775	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	49,042	62,714	66,018	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	20,160	62,649	75,525	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	28,437	51,216	63,313	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	23,806	49,375	64,885	No	Yes	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	43,077	57,895	65,475	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	64,335	82,589	95,352	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	32,161	52,157	61,372	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	40,912	62,690	73,550	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	26,386	33,789	38,207	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	19,267	27,799	30,087	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	24,993	34,740	39,472	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	21,095	28,758	31,600	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	34,058	44,099	49,498	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	27,753	35,722	39,491	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	25,266	30,998	34,923	No	No	No	Postsecondary nondegree award	No	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	34,613	43,816	48,868	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	26,314	42,821	52,547	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	58,810	85,747	100,756	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-2092	Hearing Aid Specialists	27,073	58,937	68,082	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	26,505	42,399	50,387	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-9091	Athletic Trainers	30,980	45,447	51,606	Yes	No	No	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	55,346	75,078	86,540	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	26,790	39,037	47,636	No	No	No	Postsecondary nondegree award	No	No	Yes
31-1120	Home Health and Personal Care Aides	19,832	24,823	26,910	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,135	26,390	29,327	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	19,779	26,357	28,961	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	23,789	27,929	29,771	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	47,447	62,835	73,004	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	18,132	26,375	30,003	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	44,426	56,714	63,620	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	18,132	26,375	30,003	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	35,973	48,563	56,440	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-9091	Dental Assistants	20,621	40,044	47,754	No	No	No	Postsecondary nondegree award	No	Yes	Yes
31-9092	Medical Assistants	25,904	33,021	36,929	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	19,675	36,304	42,223	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	31,711	40,098	41,555	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
31-9095	Pharmacy Aides	19,106	21,972	23,747	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	19,630	27,892	32,636	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	24,354	35,931	41,021	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	26,055	41,696	49,775	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-1011	First-Line Supervisors of Correctional Officers	34,488	47,049	49,401	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	47,497	69,017	77,114	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	42,517	59,778	68,202	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	26,352	41,410	54,404	No	No	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	25,600	41,131	52,043	No	No	No	Postsecondary nondegree award	No	Yes	Yes
33-2021	Fire Inspectors and Investigators	30,906	51,614	58,645	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	27,585	32,608	35,623	No	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	30,590	43,484	50,378	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,751	38,950	41,999	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	33,326	73,967	96,615	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	19,733	26,477	28,599	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	25,696	39,893	46,787	No	No	No	High school diploma or equivalent	Yes	Yes	No
33-3051	Police and Sheriff's Patrol Officers	35,164	46,129	50,771	Yes	Yes	No	Associate's degree	Yes	No	No
33-3052	Transit and Railroad Police	41,875	60,323	71,618	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	25,240	36,069	40,777	No	No	No	Postsecondary nondegree award	No	No	No

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33-9021	Private Detectives and Investigators	31,036	45,903	55,941	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	23,286	32,320	36,627	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	19,262	28,382	31,891	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	19,351	26,161	29,185	No	No	No	No formal educational credential	No	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	18,067	26,822	29,464	No	No	No	No formal educational credential	No	Yes	Yes
33-9093	Transportation Security Screeners	35,804	42,418	44,112	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	20,801	31,228	37,948	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	19,368	31,205	31,925	No	No	No	Associate's degree	No	No	No
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	26,141	40,377	48,637	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
35-2011	Cooks, Fast Food	18,936	23,713	25,944	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	21,743	28,633	31,639	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2013	Cooks, Private Household	19,584	28,059	32,915	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	20,899	28,131	31,286	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	19,253	27,658	32,468	No	No	No	No formal educational credential	No	Yes	Yes
35-2019	Cooks, All Other	20,160	28,422	33,427	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	20,446	25,884	29,074	No	No	No	No formal educational credential	Yes	No	No
35-3011	Bartenders	18,607	23,806	24,562	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,782	23,052	24,746	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,744	26,009	29,109	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	18,887	22,894	24,735	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,596	22,145	23,289	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	18,804	20,978	22,097	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,552	20,468	20,425	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	18,959	23,124	23,816	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	28,303	53,597	72,931	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	27,576	47,565	63,789	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	18,777	25,052	26,509	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,302	22,845	24,496	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	20,077	33,957	49,066	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	26,227	49,492	67,457	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
37-3011	Landscaping and Groundskeeping Workers	19,350	28,429	30,643	No	No	No	No formal educational credential	No	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21,774	25,930	26,097	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	20,681	33,604	42,293	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	24,356	33,343	36,879	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	33,957	52,136	61,505	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	23,745	44,988	58,660	No	No	Yes	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	20,347	37,000	42,535	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	19,349	25,951	29,019	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	17,146	23,342	26,338	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,328	25,631	28,943	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	18,737	32,246	33,306	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	17,742	27,836	30,506	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	17,732	23,705	26,319	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,413	20,461	20,379	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	24,366	52,378	68,250	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	18,104	25,733	29,334	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	17,630	24,217	28,180	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	31,539	52,955	53,960	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	23,610	42,178	58,136	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
39-4031	Morticians, Undertakers, and Funeral Arrangers	23,299	50,892	63,237	No	Yes	Yes	Associate's degree	No	Yes	Yes
39-5011	Barbers	20,384	29,594	35,213	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,699	33,618	40,939	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	33,874	65,747	75,860	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	18,867	25,156	27,706	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	17,918	24,496	28,264	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	21,044	33,952	39,990	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	17,518	23,231	26,505	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	24,408	30,119	31,861	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	18,403	29,376	37,515	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	18,882	22,798	24,478	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	26,946	39,554	46,579	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	19,062	29,921	35,242	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	25,726	34,404	39,250	No	No	No	Some college, no degree	Yes	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	20,856	27,407	31,648	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	26,769	42,840	51,137	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	35,433	66,322	75,012	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,105	23,077	24,824	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	17,667	26,626	32,915	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	19,477	31,537	37,860	No	No	No	No formal educational credential	No	Yes	Yes
41-2022	Parts Salespersons	19,895	30,841	36,613	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,716	29,307	31,482	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	22,775	50,980	62,789	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-3021	Insurance Sales Agents	34,105	68,494	79,328	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	33,671	59,848	52,023	Yes	Yes	No	Bachelor's degree	No	No	No
41-3041	Travel Agents	20,501	36,864	48,754	No	No	No	Some college, no degree	No	No	Yes

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41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	32,543	59,424	66,487	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	31,597	67,381	80,897	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	22,506	60,221	73,124	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	20,474	32,313	32,401	No	No	No	No formal educational credential	Yes	Yes	Yes
41-9012	Models	19,258	36,507	45,912	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	24,877	62,165	64,714	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	27,945	50,920	65,302	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9031	Sales Engineers	52,201	103,891	134,164	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	19,371	25,856	27,025	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,490	25,649	27,864	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,435	27,207	29,877	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	30,525	51,622	63,479	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	21,256	33,144	37,531	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	22,449	29,222	30,357	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	27,473	38,023	44,954	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	27,449	37,548	42,852	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	26,665	38,187	43,111	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	22,275	38,186	46,506	No	No	No	Some college, no degree	Yes	No	Yes
43-3041	Gambling Cage Workers	18,458	26,012	29,399	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	26,743	40,161	52,564	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	34,916	45,232	51,908	Yes	No	No	Associate's degree	Yes	No	No
43-3071	Tellers	23,758	33,066	38,275	No	No	No	High school diploma or equivalent	No	No	No
43-3099	Financial Clerks, All Other	28,506	43,577	50,945	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	32,888	50,527	60,360	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	27,240	38,953	45,298	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	23,667	35,119	39,295	No	No	No	Some college, no degree	Yes	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	26,477	40,302	46,238	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	21,128	31,421	37,300	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	24,952	33,725	40,228	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	23,391	31,349	36,678	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	19,098	22,601	24,406	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	26,741	34,163	37,532	No	No	No	High school diploma or equivalent	Yes	No	No
43-4121	Library Assistants, Clerical	20,931	26,497	27,725	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	32,454	44,069	50,750	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	27,715	37,865	43,065	No	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	21,491	32,674	37,037	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	32,833	38,942	43,071	Yes	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	19,972	28,761	34,185	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	22,086	39,195	54,211	No	No	Yes	High school diploma or equivalent	No	No	Yes
43-4199	Information and Record Clerks, All Other	31,202	42,863	48,004	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5011	Cargo and Freight Agents	31,010	51,515	58,896	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	18,621	24,587	28,572	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	26,817	35,416	41,680	No	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	24,684	41,645	51,977	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-5041	Meter Readers, Utilities	24,514	38,991	46,070	No	No	No	High school diploma or equivalent	No	No	No
43-5051	Postal Service Clerks	37,758	48,850	62,987	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,606	53,262	65,035	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	35,392	48,851	61,606	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	19,446	48,898	63,228	No	Yes	Yes	Some college, no degree	No	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	22,363	36,926	45,729	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	21,071	32,185	38,348	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	23,953	43,685	57,033	No	No	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	23,023	36,573	46,481	No	No	No	Some college, no degree	Yes	No	Yes
43-6013	Medical Secretaries and Administrative Assistants	26,071	33,613	38,036	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	22,965	34,790	40,473	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	25,670	33,765	37,938	No	No	No	High school diploma or equivalent	Yes	No	No
43-9022	Word Processors and Typists	20,314	30,586	37,247	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	26,766	49,234	53,802	No	Yes	Yes	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	27,378	39,139	46,057	No	No	No	High school diploma or equivalent	Yes	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	22,461	33,865	39,709	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	21,152	33,366	38,722	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	22,926	31,109	34,688	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	24,756	39,381	52,211	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	30,515	51,457	63,049	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	23,750	37,503	45,411	No	No	No	Some college, no degree	Yes	No	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	29,120	51,876	57,114	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	19,081	34,711	43,912	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders										
45-2041	Graders and Sorters, Agricultural Products	23,854	31,539	35,409	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	21,565	31,213	35,679	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	17,667	22,886	23,779	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	19,519	29,994	38,442	No	No	No	No formal educational credential	No	Yes	Yes

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May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
45-2099	Agricultural Workers, All Other	18,290	26,980	27,259	No	No	No	No formal educational credential	No	Yes	No
45-3031	Fishing and Hunting Workers	19,519	29,994	38,442	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	33,716	38,497	41,828	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	25,510	34,944	38,321	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	17,481	33,725	42,944	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	21,482	31,008	36,106	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,356	44,089	55,532	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	34,227	56,232	69,369	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	32,627	48,285	56,658	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	22,817	36,632	43,905	No	No	No	High school diploma or equivalent	No	No	No
47-2022	Stonemasons	30,617	36,795	40,544	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	28,451	44,792	52,135	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	17,416	30,338	39,139	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,347	37,214	48,471	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	24,338	33,306	38,042	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	25,266	30,942	33,439	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	28,712	37,668	39,483	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	31,650	41,670	46,861	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2061	Construction Laborers	22,440	30,223	34,128	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	24,877	34,944	37,623	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	31,325	47,122	56,137	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	26,523	38,765	40,628	No	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	27,532	41,807	53,444	No	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	17,593	38,256	46,880	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	33,295	46,188	55,999	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	25,305	39,316	47,308	No	No	No	High school diploma or equivalent	No	No	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	25,538	36,646	43,084	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	27,222	37,111	42,926	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	26,881	36,361	41,311	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	30,720	44,545	57,021	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	27,010	32,840	37,101	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	29,253	44,358	53,722	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	21,268	35,148	42,526	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	29,427	42,303	48,647	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	20,350	26,460	28,120	No	No	No	No formal educational credential	Yes	No	No
47-2211	Sheet Metal Workers	25,039	40,798	49,418	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2221	Structural Iron and Steel Workers	18,383	28,909	40,447	No	No	No	High school diploma or equivalent	No	No	No
47-2231	Solar Photovoltaic Installers	23,733	33,595	37,576	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20,663	28,375	33,232	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	21,101	28,512	32,543	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	22,109	29,439	32,063	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	19,258	26,263	30,599	No	No	No	No formal educational credential	No	No	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	22,012	27,061	29,886	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	22,979	31,818	36,423	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	25,936	31,166	35,541	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	36,213	66,412	90,990	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	38,544	72,250	90,969	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	23,938	35,809	43,986	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	25,138	37,028	43,912	No	No	No	High school diploma or equivalent	No	No	No
47-4051	Highway Maintenance Workers	21,145	28,234	30,916	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	31,864	44,796	51,364	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	23,993	35,604	38,442	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	25,454	36,200	40,954	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	22,049	31,911	37,316	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	31,976	42,116	47,671	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	23,203	50,434	65,189	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	29,479	43,167	50,126	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5041	Continuous Mining Machine Operators	33,771	53,746	64,119	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	33,771	53,746	64,119	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	28,534	34,888	37,028	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	31,976	42,116	47,671	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	22,049	31,911	37,316	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	24,617	42,665	49,606	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	33,185	52,834	67,757	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	42,210	64,652	76,614	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	33,522	48,582	59,734	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	29,166	53,727	68,538	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	33,313	59,237	75,478	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	31,697	54,806	66,594	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	26,338	40,349	47,745	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	31,464	51,243	64,547	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	32,646	51,066	60,156	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	39,502	66,798	84,828	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	23,761	35,399	42,237	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	22,579	40,935	51,959	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	29,121	40,646	47,871	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	51,189	80,303	113,512	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	25,845	59,124	78,492	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	20,356	34,888	40,228	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	27,835	47,153	57,934	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	32,836	47,459	55,726	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	24,728	39,549	47,950	No	No	No	High school diploma or equivalent	No	No	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	28,569	42,743	50,443	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	34,032	52,192	59,198	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	26,301	46,610	58,900	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3052	Motorcycle Mechanics	23,873	34,311	40,386	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	23,521	34,882	41,732	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	20,793	27,994	31,846	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	25,463	44,684	56,434	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	19,621	29,185	34,497	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	22,635	37,511	44,126	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	30,200	43,810	51,048	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	27,801	40,989	49,029	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	28,042	38,752	41,590	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-9041	Industrial Machinery Mechanics	39,883	57,304	64,477	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	23,333	37,018	45,484	No	No	No	High school diploma or equivalent	No	No	No
49-9044	Millwrights	29,920	46,684	57,569	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	31,641	55,448	72,092	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	27,515	46,400	50,782	No	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	18,095	38,646	51,159	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	25,547	47,875	59,895	No	Yes	Yes	Associate's degree	No	No	Yes
49-9063	Musical Instrument Repairers and Tuners	22,096	32,860	37,455	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,412	40,758	50,620	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	35,706	52,927	60,658	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	23,510	38,367	46,462	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	41,903	68,613	83,358	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	19,667	25,980	31,367	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	31,576	46,852	47,587	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	24,384	38,209	47,019	No	No	No	High school diploma or equivalent	No	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	19,872	27,352	29,892	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	30,338	45,801	55,448	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	36,944	61,700	74,278	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	19,597	30,066	35,149	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	32,186	43,505	49,634	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-1011	First-Line Supervisors of Production and Operating Workers	35,189	67,888	86,577	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	17,928	38,442	49,671	No	No	No	Postsecondary nondegree award	No	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	17,462	33,353	46,536	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	27,336	38,465	41,364	No	No	No	High school diploma or equivalent	Yes	No	No
51-2031	Engine and Other Machine Assemblers	23,826	28,227	29,613	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	38,089	46,996	51,793	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
51-2051	Fiberglass Laminators and Fabricators	26,741	36,031	40,343	No	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	22,333	34,365	44,357	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	22,110	28,805	31,745	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	29,129	41,535	47,535	Yes	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	20,244	28,999	34,432	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	20,858	26,636	29,241	No	No	No	No formal educational credential	Yes	Yes	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	23,854	31,539	35,409	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,449	28,310	32,720	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	18,123	26,152	30,366	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	19,723	25,463	28,561	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	24,021	33,157	37,651	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	24,626	33,260	36,804	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	24,794	34,116	39,902	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,421	30,394	35,390	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	31,194	51,308	62,649	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,654	30,515	35,548	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,482	35,474	41,707	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	31,473	41,456	47,047	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 1 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-4041	Machinists	27,440	41,886	49,482	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	28,580	39,502	45,940	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	24,440	38,581	46,247	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	31,194	51,308	62,649	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	27,845	49,634	58,602	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	20,002	35,130	44,582	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	19,742	31,269	36,730	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	23,845	33,753	37,055	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	27,845	49,634	58,602	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	27,504	40,606	48,058	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	23,491	33,185	38,107	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	20,868	32,478	37,353	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	26,738	42,665	53,076	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	26,608	36,237	39,223	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	24,496	33,502	37,121	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	19,826	31,892	36,255	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	21,268	36,032	43,019	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	22,802	39,613	56,022	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-5113	Print Binding and Finishing Workers	19,519	29,669	35,753	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,984	23,666	24,846	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	17,816	22,765	25,845	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	26,207	31,085	34,763	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	18,430	28,841	34,711	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	17,742	27,780	33,520	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	19,723	26,552	31,632	No	No	No	No formal educational credential	No	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	18,635	27,650	32,320	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	24,003	28,943	32,915	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	19,705	29,203	34,274	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	17,742	24,607	28,022	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	19,612	42,098	65,533	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	35,465	64,119	76,390	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	17,518	27,547	29,306	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	22,440	36,302	43,103	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,407	25,640	31,325	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	21,990	36,085	41,320	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	18,523	34,348	42,572	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	24,496	35,292	34,795	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	19,204	29,329	34,127	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	21,249	37,995	52,890	No	No	No	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	65,524	89,592	101,547	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	47,298	75,711	94,913	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	41,903	68,613	83,358	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	40,050	58,202	66,709	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	32,770	49,402	55,108	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	29,650	48,350	58,853	Yes	Yes	Yes	Associate's degree	No	No	Yes
51-8092	Gas Plant Operators	30,794	44,619	53,597	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	28,282	47,726	55,551	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	36,460	55,737	59,700	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	34,792	57,590	65,369	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	22,961	35,706	43,010	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	22,235	33,520	38,618	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,454	31,222	35,381	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	23,714	34,023	38,023	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	19,537	32,981	39,307	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	21,807	32,460	38,116	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,189	31,622	35,920	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,416	30,664	35,297	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	20,332	46,430	60,991	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	22,747	42,089	53,690	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	18,796	38,199	45,751	No	No	No	Postsecondary nondegree award	No	No	No
51-9082	Medical Appliance Technicians	23,798	42,935	50,452	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	26,926	31,849	35,650	No	No	No	High school diploma or equivalent	Yes	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	22,018	37,958	46,432	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,346	30,562	39,409	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	31,732	47,118	59,424	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9141	Semiconductor Processing Technicians										

Workforce Region 1 Wages by Detailed Occupation

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51-9151	Photographic Process Workers and Processing Machine Operators	22,505	39,102	46,861	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	27,296	38,383	42,014	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	33,027	50,648	59,430	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	20,077	32,273	39,111	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,272	32,283	37,083	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	20,198	34,562	42,703	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,388	24,859	30,897	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	22,282	31,585	35,827	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	23,938	34,246	38,535	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders										
51-9198	Helpers--Production Workers	20,470	29,388	33,953	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	20,776	29,225	31,751	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	32,376	59,216	73,506	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	33,037	48,791	56,581	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	91,341	213,727	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	46,526	66,194	68,082	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	64,668	114,106	141,412	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	23,649	43,382	56,202	No	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	28,654	54,183	62,584	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,393	27,147	29,464	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,613	24,956	30,004	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	27,185	37,369	41,407	No	No	No	Postsecondary nondegree award	No	No	No
53-3033	Light Truck Drivers	20,439	34,790	40,184	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	22,430	34,227	39,726	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	20,258	31,387	37,607	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,497	29,139	32,216	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	49,820	62,556	68,910	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	50,276	63,170	71,906	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	32,339	52,834	63,161	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	50,276	63,170	71,906	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	20,830	39,251	55,318	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	26,952	51,494	67,217	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	19,670	37,012	43,885	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	44,618	73,040	83,976	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	18,588	40,861	52,053	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	30,608	68,278	83,638	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	23,900	37,158	45,624	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	19,123	27,379	31,950	No	No	No	No formal educational credential	No	Yes	Yes
53-6031	Automotive and Watercraft Service Attendants	21,132	26,868	29,983	No	No	No	No formal educational credential	Yes	Yes	Yes
53-6041	Traffic Technicians	26,803	44,535	51,690	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	69,044	84,467	84,584	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,490	22,877	24,663	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	27,813	41,916	54,017	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7011	Conveyor Operators and Tenders	18,616	31,604	37,911	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	28,933	48,968	62,221	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	31,762	44,824	52,043	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	25,101	38,665	40,637	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	26,590	37,002	41,861	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	21,557	28,410	31,081	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,671	30,441	35,583	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	18,616	30,208	36,106	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,831	24,080	25,351	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	20,175	28,130	31,815	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	18,886	37,893	45,140	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	23,333	37,018	45,484	No	No	No	High school diploma or equivalent	No	No	No
53-7081	Refuse and Recyclable Material Collectors	24,561	37,400	44,256	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	18,616	31,604	37,911	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	21,156	39,642	50,434	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 2 Wages by Detailed Occupation

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11-1011	Chief Executives	29,752	151,035	*	Yes	Yes	Yes*	Bachelor's degree	No	Yes	Yes*
11-1021	General and Operations Managers	38,741	87,731	104,351	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	18,718	72,026	116,308	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-2011	Advertising and Promotions Managers	46,279	105,537	122,559	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	39,489	135,082	188,849	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2022	Sales Managers	45,986	102,365	128,213	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	52,564	105,938	123,398	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	38,618	80,886	105,557	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3021	Computer and Information Systems Managers	88,410	135,655	160,339	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	52,751	101,700	125,880	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	64,470	123,443	126,366	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	78,012	113,062	130,631	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	43,336	72,854	77,625	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-3111	Compensation and Benefits Managers	62,872	101,627	120,423	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	57,457	99,681	121,486	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	53,997	115,995	155,306	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	35,246	75,775	80,333	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9021	Construction Managers	54,766	109,987	126,602	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	28,468	48,638	68,404	No	Yes	Yes	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	62,142	91,536	109,883	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	45,001	93,407	110,677	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	40,367	75,851	94,761	Yes	Yes	Yes	Master's degree	Yes	No	Yes
11-9041	Architectural and Engineering Managers	111,797	143,761	167,759	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	40,571	54,831	61,993	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	43,933	83,938	92,310	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	34,036	49,916	56,884	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	51,410	115,034	120,115	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	57,467	85,529	111,054	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	75,529	87,279	93,361	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	37,468	63,262	82,777	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	42,635	69,890	81,291	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9161	Emergency Management Directors	46,136	78,979	95,639	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9171	Funeral Home Managers	40,176	78,130	95,600	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	42,941	93,850	123,066	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	32,538	81,592	98,118	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	41,109	80,208	100,540	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1031	Claims Adjusters, Examiners, and Investigators	44,877	70,514	82,766	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	46,766	65,542	76,852	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	28,059	62,368	83,209	No	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	40,130	68,173	85,588	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	38,295	65,049	79,980	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	18,052	56,178	76,175	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	54,677	84,973	99,756	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1111	Management Analysts	54,665	100,473	109,483	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	32,816	40,089	44,441	Yes	No	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	26,415	53,346	66,401	No	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	30,807	39,550	46,680	Yes	No	No	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	29,581	70,026	92,254	No	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	27,031	49,710	52,662	No	Yes	No	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	42,577	80,254	94,624	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	31,180	62,301	79,104	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	32,976	47,278	54,504	Yes	No	No	Bachelor's degree	No	No	No
13-2031	Budget Analysts	52,908	75,648	91,240	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	35,661	87,014	99,989	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2052	Personal Financial Advisors	18,515	46,313	50,446	No	No	No	Bachelor's degree	No	No	No
13-2053	Insurance Underwriters	32,957	66,868	84,968	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	43,924	79,513	95,896	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2071	Credit Counselors	31,689	47,929	50,780	Yes	Yes	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	27,421	70,804	85,955	No	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	27,016	46,384	53,756	No	No	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	41,469	50,340	59,073	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	57,587	92,305	103,378	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1211	Computer Systems Analysts	69,464	99,215	118,535	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	71,482	104,815	123,413	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	69,681	114,406	133,650	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	33,261	42,327	44,408	Yes	No	No	Associate's degree	No	No	No
15-1232	Computer User Support Specialists	35,160	61,475	73,545	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	47,030	85,007	114,186	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	51,069	82,224	97,191	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1245	Database Administrators and Architects	73,563	100,925	119,266	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	43,298	75,468	86,520	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	60,784	105,647	134,399	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	34,213	57,652	71,951	Yes	Yes	Yes	Associate's degree	No	Yes	Yes

Workforce Region 2 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
15-1299	Computer Occupations, All Other	47,847	81,304	94,622	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
15-2011	Actuaries	47,147	111,354	137,321	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	67,163	100,683	113,862	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	52,914	96,064	112,526	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2041	Statisticians	28,141	68,928	90,880	No	Yes	Yes	Master's degree	No	No	No
15-2098	Data Scientists and Mathematical Science Occupations, All Other	49,207	88,620	112,956	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	55,278	88,777	102,061	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	40,929	68,928	86,760	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1021	Cartographers and Photogrammetrists	41,912	64,722	76,881	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1022	Surveyors	33,478	49,190	50,371	Yes	Yes	No	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	67,805	101,984	127,377	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	41,702	76,929	95,124	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2031	Bioengineers and Biomedical Engineers	59,449	86,903	104,336	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	47,719	93,159	117,801	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	58,527	95,406	121,002	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	75,993	100,486	116,381	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	69,589	94,834	108,350	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	64,402	103,454	118,609	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	41,219	88,373	103,387	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	51,716	80,786	110,889	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	57,080	96,675	123,766	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	46,222	76,585	91,557	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2131	Materials Engineers	48,596	91,710	111,774	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	59,311	96,190	117,391	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	70,101	112,661	137,903	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	82,088	103,535	116,942	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	70,558	153,256	188,426	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	66,102	111,471	131,846	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	27,867	44,815	52,186	No	No	No	Associate's degree	No	No	No
17-3012	Electrical and Electronics Drafters	22,305	49,827	61,842	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	36,996	65,096	79,420	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	34,444	46,057	54,150	Yes	No	No	Associate's degree	No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	49,656	98,127	120,808	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	28,800	49,113	60,566	No	Yes	Yes	Associate's degree	No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	56,431	73,361	81,072	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	31,651	50,675	58,810	Yes	Yes	Yes	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	34,733	48,789	51,570	Yes	Yes	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	32,747	52,277	62,071	Yes	Yes	Yes	Associate's degree	No	No	Yes
17-3027	Mechanical Engineering Technologists and Technicians	29,934	52,764	68,022	Yes	Yes	Yes	Associate's degree	No	No	Yes
17-3031	Surveying and Mapping Technicians	26,153	39,053	48,546	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	36,066	57,055	67,812	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	39,652	61,785	73,963	Yes	Yes	Yes	Master's degree	Yes	No	No
19-1012	Food Scientists and Technologists	30,611	55,472	69,815	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	30,363	68,909	93,522	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1021	Biochemists and Biophysicists	42,055	76,185	86,760	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	34,531	59,897	73,124	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	30,926	50,637	56,988	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	40,540	74,048	89,506	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	32,261	66,343	82,917	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1032	Foresters	44,286	72,361	92,549	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1041	Epidemiologists	31,384	52,668	65,580	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	39,528	83,852	99,482	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1099	Life Scientists, All Other	48,082	99,472	124,753	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	81,697	139,400	158,282	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	81,697	139,400	158,282	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	56,454	94,399	110,954	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	34,597	61,938	76,118	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	47,366	98,414	127,976	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	37,554	61,607	79,994	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	49,455	86,350	109,704	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	44,734	91,309	107,301	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	45,278	111,736	130,799	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	50,437	90,003	101,513	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	28,141	68,928	90,880	No	Yes	Yes	Master's degree	No	No	No
19-3031	Clinical, Counseling, and School Psychologists	38,924	77,427	95,659	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	28,141	68,928	90,880	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	29,439	141,025	130,652	No	Yes	Yes	Doctoral or professional degree	No	Yes	No
19-3041	Sociologists	50,580	72,246	87,638	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	29,650	64,103	84,401	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	31,384	52,668	65,580	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	61,041	80,161	92,787	Yes	Yes	Yes	Master's degree	Yes	Yes	No
19-3093	Historians	23,812	55,873	82,049	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists	59,744	95,009	109,523	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	52,134	79,170	93,531	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-4010	Agricultural and Food Science Technicians	18,395	34,788	42,131	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	26,501	42,417	52,678	No	No	No	Bachelor's degree	No	No	No

Workforce Region 2 Wages by Detailed Occupation

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19-4031	Chemical Technicians	29,915	48,606	58,619	Yes	Yes	Yes	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	33,084	91,756	180,207	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-4045	Geological and Hydrologic Technicians	25,099	44,401	53,765	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	67,163	91,834	104,088	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	25,710	51,295	59,477	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	29,772	44,830	53,603	Yes	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	32,648	43,376	48,634	Yes	No	No	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	20,036	45,898	57,761	No	No	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	43,654	79,002	94,635	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	25,776	47,919	62,128	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	33,418	56,929	75,410	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	32,854	39,914	44,403	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	22,612	34,700	44,460	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	33,934	45,600	52,105	Yes	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	22,725	34,616	38,564	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	27,319	46,955	58,701	No	No	Yes	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	30,022	54,575	61,961	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	33,349	45,827	50,139	Yes	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	33,291	50,323	63,635	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	33,600	40,867	42,807	Yes	No	No	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	30,743	39,809	43,395	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	26,841	37,750	40,722	No	No	No	Some college, no degree	Yes	No	No
21-1094	Community Health Workers	25,109	40,043	47,176	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	27,140	40,701	47,481	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	31,315	48,670	58,682	Yes	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	24,432	44,639	53,775	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	18,720	41,482	54,995	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	40,107	97,209	121,223	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	28,914	48,968	55,396	No	Yes	No	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	37,048	97,813	119,784	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	24,355	67,974	96,154	No	Yes	Yes	Bachelor's degree	No	No	No
23-1023	Judges, Magistrate Judges, and Magistrates	139,295	179,071	163,355	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	27,853	45,051	57,489	No	No	Yes	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	31,995	52,068	58,110	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	30,316	54,687	50,460	Yes	Yes	No	Associate's degree	No	Yes	No
25-1011	Business Teachers, Postsecondary	56,740	104,107	122,435	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	44,525	94,256	117,972	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	40,701	79,332	104,698	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	25,290	86,484	107,921	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	51,648	105,566	129,311	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	52,869	99,720	121,377	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	40,376	85,893	105,175	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	65,838	107,902	126,908	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	45,535	90,746	112,422	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	49,932	83,976	99,186	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	22,343	71,750	84,224	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	46,565	90,346	114,158	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	55,539	88,772	100,311	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	41,397	76,681	93,140	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	56,740	104,107	122,435	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary										
25-1065	Political Science Teachers, Postsecondary	50,532	89,831	101,208	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	40,052	77,815	92,844	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	41,044	77,482	94,475	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	42,102	80,238	106,453	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	54,805	111,240	118,678	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	54,805	111,240	118,678	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	40,481	65,266	77,453	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	41,854	67,717	79,808	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	37,906	85,359	92,940	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	53,593	145,074	192,278	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	35,170	71,293	83,919	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	31,860	94,494	108,083	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	39,671	69,147	81,706	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	29,810	73,209	101,408	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	45,135	82,021	105,709	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	27,808	79,427	91,338	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	43,056	89,297	105,003	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	31,822	64,102	77,739	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	21,716	39,824	49,672	No	No	No	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	21,886	53,288	66,982	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	19,544	26,699	28,493	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	34,149	55,234	65,914	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	46,611	67,067	76,960	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	42,842	65,859	78,617	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	28,580	56,302	71,912	No	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	37,372	58,676	70,406	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	41,616	62,205	70,778	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2051	Special Education Teachers, Preschool	30,564	59,315	75,450	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	39,032	60,984	73,648	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	39,117	56,864	66,744	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	39,842	60,135	72,036	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2059	Special Education Teachers, All Other	26,720	49,426	60,088	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	30,277	44,906	55,443	Yes	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	21,613	42,444	49,484	No	No	No	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	18,014	28,246	29,705	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	27,356	63,765	78,370	No	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	26,062	41,530	48,377	No	No	No	Master's degree	No	No	No
25-4012	Curators	27,598	52,640	59,916	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	21,809	39,346	47,404	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	26,536	59,985	77,350	No	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	21,388	29,090	30,620	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	18,719	33,256	43,395	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	34,114	67,309	86,957	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	18,252	36,362	46,918	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	18,605	27,007	29,686	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	22,372	47,815	61,013	No	No	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	44,715	91,395	98,623	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	17,489	31,260	37,534	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	46,945	66,383	77,579	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1014	Special Effects Artists and Animators	40,701	62,758	74,592	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1019	Artists and Related Workers, All Other	28,971	81,725	99,911	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	38,030	64,455	75,260	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	30,888	59,668	69,004	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	21,096	26,947	30,249	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	28,808	48,085	59,366	No	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	27,770	47,400	58,918	No	No	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	25,702	34,060	35,371	No	No	No	Some college, no degree	Yes	No	No
27-1027	Set and Exhibit Designers	21,561	46,928	58,276	No	No	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	30,611	55,987	64,217	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	20,430	42,190	46,930	No	No	No	Some college, no degree	No	Yes	No
27-2012	Producers and Directors	33,645	63,844	78,797	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	17,852	67,707	79,646	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	21,550	33,063	38,356	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	17,871	37,506	44,763	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	19,201	52,762	77,477	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	17,613	37,124	56,378	No	No	Yes	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	17,966	63,006	73,276	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,070	85,569	119,964	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,071	24,823	28,885	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,987	56,798	69,795	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	27,464	60,450	70,120	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	31,211	55,063	66,133	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	18,609	49,232	62,821	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	32,805	59,735	73,562	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	27,102	65,065	68,079	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	22,238	52,106	66,658	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,491	48,778	80,161	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	18,252	42,865	53,346	No	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	22,196	40,177	42,047	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	21,037	44,563	54,404	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	22,515	53,889	61,899	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	18,328	26,742	28,416	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	22,334	47,547	59,124	No	No	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	30,401	51,476	62,023	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	23,583	77,491	100,607	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	43,505	54,249	61,993	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	135,447	164,277	190,171	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	60,879	224,091	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	85,406	172,529	198,353	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists										
29-1029	Dentists, All Other Specialists	54,614	167,179	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	37,459	65,519	68,610	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	66,542	79,544	80,971	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1051	Pharmacists	36,068	113,651	144,168	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1071	Physician Assistants	46,857	96,981	123,394	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	51,362	126,555	173,540	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	18,483	63,315	99,872	No	Yes	Yes	Master's degree	No	No	Yes
29-1123	Physical Therapists	34,513	83,844	99,751	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	55,043	80,905	93,874	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	26,930	48,740	58,114	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	43,306	56,614	63,356	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	62,512	90,561	107,115	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	33,882	51,639	63,406	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	30,287	49,131	57,503	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	50,277	85,770	104,854	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	43,397	62,826	74,246	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1151	Nurse Anesthetists	129,540	168,562	173,721	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,884	64,398	94,427	No	Yes	Yes	Master's degree	No	No	No
29-1171	Nurse Practitioners	41,970	102,904	123,677	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	42,169	70,339	79,427	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	129,864	258,851	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	116,387	210,504	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	48,616	199,965	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	118,935	303,981	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	56,101	150,929	188,073	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	44,715	192,183	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	137,951	231,880	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	49,598	233,475	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	53,615	69,502	78,481	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	20,665	64,217	77,415	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	35,064	57,673	67,792	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	25,473	49,584	65,176	No	Yes	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	47,186	65,512	73,827	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	57,699	81,361	96,609	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	38,850	49,087	52,979	Yes	Yes	No	Associate's degree	Yes	No	No
29-2035	Magnetic Resonance Imaging Technologists	42,480	61,137	71,505	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	23,048	37,511	40,430	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	19,749	28,494	30,840	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	26,286	34,907	40,214	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	20,774	28,155	30,456	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	33,412	46,476	49,798	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	23,177	34,034	38,203	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	31,603	44,252	51,221	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	31,309	38,978	44,098	Yes	No	No	Postsecondary nondegree award	Yes	No	No
29-2081	Opticians, Dispensing	29,288	44,695	55,699	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2091	Orthotists and Prosthetists	35,417	72,914	86,121	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	27,750	60,412	69,786	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	24,072	40,278	45,424	No	No	No	Postsecondary nondegree award	No	No	No
29-9091	Athletic Trainers	31,756	46,584	52,897	Yes	No	No	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	56,731	76,957	88,706	Yes	Yes	Yes	Master's degree	Yes	No	No
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	27,426	56,492	70,415	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	19,742	24,803	26,297	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,727	28,575	31,917	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	20,274	27,016	29,686	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	24,384	28,628	30,516	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	48,635	64,407	74,831	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	18,586	27,035	30,754	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	34,626	60,040	71,188	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
31-2022	Physical Therapist Aides	18,586	27,035	30,754	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	19,567	48,686	73,315	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	34,417	49,668	59,486	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	27,045	34,169	38,679	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9093	Medical Equipment Preparers	21,824	32,139	38,341	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	24,619	30,052	31,992	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	20,531	31,078	37,134	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	20,121	28,590	33,453	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	23,423	33,319	39,155	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	28,756	47,235	54,780	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-1011	First-Line Supervisors of Correctional Officers	32,757	45,688	47,118	Yes	No	No	Some college, no degree	Yes	Yes	No
33-1012	First-Line Supervisors of Police and Detectives	47,209	67,751	76,427	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	45,820	70,648	81,925	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	27,603	46,149	52,266	No	No	No	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	27,350	41,675	50,575	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	41,883	59,067	63,549	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	28,275	33,424	36,514	No	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	31,355	44,572	51,639	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,752	37,077	38,803	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	44,357	69,896	86,945	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	20,226	27,140	29,314	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	26,339	40,891	47,958	No	No	No	High school diploma or equivalent	No	No	No
33-3051	Police and Sheriff's Patrol Officers	35,444	45,745	50,733	Yes	No	No	Associate's degree	Yes	No	No
33-3052	Transit and Railroad Police	42,922	61,833	73,410	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	25,872	36,972	41,797	No	No	No	Postsecondary nondegree award	No	No	No

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33-9021	Private Detectives and Investigators	31,813	47,052	57,341	Yes	No	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	23,869	33,129	37,544	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	24,767	34,059	37,704	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	20,375	22,920	24,264	No	No	No	No formal educational credential	Yes	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	27,618	31,894	33,313	No	No	No	No formal educational credential	Yes	Yes	Yes
33-9093	Transportation Security Screeners	34,157	40,354	42,787	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	32,293	46,432	47,839	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
35-1011	Chefs and Head Cooks	35,086	54,418	65,352	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	27,555	40,189	47,262	No	No	No	High school diploma or equivalent	Yes	No	No
35-2011	Cooks, Fast Food	19,599	23,867	25,863	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	19,516	28,368	32,023	No	No	No	No formal educational credential	No	Yes	Yes
35-2013	Cooks, Private Household	20,074	28,761	33,739	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	23,091	30,237	34,023	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	18,758	25,328	28,952	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	20,665	29,133	34,264	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	19,815	27,533	31,634	No	No	No	No formal educational credential	No	No	Yes
35-3011	Bartenders	18,619	26,098	26,542	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,843	22,886	24,936	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,705	27,292	32,596	No	No	No	No formal educational credential	No	No	Yes
35-3041	Food Servers, Nonrestaurant	19,553	23,855	26,045	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,738	22,660	24,868	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	19,510	24,715	27,556	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	19,822	23,814	25,471	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	18,042	26,225	29,314	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	24,645	37,466	45,068	No	No	No	High school diploma or equivalent	No	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	27,656	38,461	40,591	No	No	No	Some college, no degree	Yes	No	No
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,655	28,060	33,250	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,149	24,178	26,879	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	20,579	34,807	50,294	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	27,037	42,545	56,166	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
37-3011	Landscaping and Groundskeeping Workers	20,185	30,893	35,860	No	No	No	No formal educational credential	No	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21,580	32,452	37,534	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	21,199	34,445	43,352	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	24,966	34,178	37,801	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	34,807	53,441	63,044	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	27,389	43,585	52,470	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	20,856	37,925	43,600	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	19,189	23,398	25,075	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	17,575	23,926	26,997	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,786	26,272	29,667	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,206	33,052	34,140	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	18,186	28,532	31,269	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	18,176	24,298	26,978	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,923	25,513	28,649	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	24,975	53,689	69,958	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	18,557	26,377	30,068	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,071	24,823	28,885	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	32,328	54,280	55,310	Yes	Yes	No	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	20,312	28,580	30,201	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	30,201	52,344	58,466	Yes	Yes	Yes	Associate's degree	No	No	No
39-5011	Barbers	20,894	30,335	36,095	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	18,939	22,891	23,824	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	34,721	67,392	77,758	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	19,339	25,786	28,399	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	18,367	25,109	28,971	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	20,873	29,822	31,343	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	18,769	20,452	20,830	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	22,688	29,400	32,283	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	19,497	27,480	31,626	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	18,633	26,694	33,916	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	27,255	38,993	44,113	No	No	No	Postsecondary nondegree award	Yes	No	No
39-9032	Recreation Workers	21,185	32,668	38,235	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	19,864	29,848	35,646	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	21,209	31,412	33,012	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	27,676	43,586	54,454	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	35,055	64,544	66,368	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,232	24,125	26,275	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,109	27,293	33,739	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	21,603	30,852	32,348	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	20,133	43,091	45,686	No	No	No	High school diploma or equivalent	No	Yes	No
41-2031	Retail Salespersons	19,854	29,101	31,626	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	20,412	41,871	49,698	No	No	No	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	22,814	48,134	51,648	No	Yes	No	Postsecondary nondegree award	No	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	35,944	77,751	80,276	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	24,860	38,738	42,670	No	No	No	Some college, no degree	Yes	No	No

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41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	26,669	59,730	77,935	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	28,082	77,411	103,603	No	Yes	Yes	Bachelor's degree	No	No	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	24,215	48,395	58,606	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,740	37,420	47,061	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models										
41-9021	Real Estate Brokers	46,374	86,566	102,750	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	27,337	51,095	59,147	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9031	Sales Engineers	53,508	106,491	137,522	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	18,777	26,520	29,171	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,928	26,291	28,561	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	19,406	34,435	37,134	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	32,101	48,059	57,512	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	23,061	31,602	34,701	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	23,011	29,953	31,117	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	28,160	38,974	46,079	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	21,330	27,091	29,238	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	25,926	36,479	42,051	No	No	No	High school diploma or equivalent	No	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	21,117	38,626	47,584	No	No	No	Some college, no degree	No	No	No
43-3041	Gambling Cage Workers	18,920	26,663	30,134	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	33,417	42,927	49,016	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	34,912	45,875	51,076	Yes	No	No	Associate's degree	No	No	No
43-3071	Tellers	25,631	32,363	37,185	No	No	No	High school diploma or equivalent	No	No	No
43-3099	Financial Clerks, All Other	29,219	44,668	52,220	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	33,710	51,791	61,871	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks										
43-4031	Court, Municipal, and License Clerks	27,378	39,661	45,440	No	No	No	Some college, no degree	Yes	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	27,140	41,311	47,395	No	No	No	Some college, no degree	Yes	Yes	No
43-4051	Customer Service Representatives	22,071	32,995	37,910	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	23,270	31,733	36,454	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	21,221	27,679	29,841	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	18,721	23,936	28,237	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	26,532	35,639	43,886	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	20,625	27,021	29,590	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	21,284	42,561	56,943	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
43-4141	New Accounts Clerks	28,408	38,812	44,143	No	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	21,181	32,754	41,897	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	29,001	38,721	44,103	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	21,167	31,775	36,870	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	21,983	28,184	31,154	No	No	No	High school diploma or equivalent	No	No	No
43-4199	Information and Record Clerks, All Other	37,445	45,402	49,585	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5011	Cargo and Freight Agents	25,853	42,455	48,959	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-5021	Couriers and Messengers	21,600	38,721	49,042	No	No	No	High school diploma or equivalent	No	No	Yes
43-5031	Public Safety Telecommunicators	28,674	39,582	45,585	No	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	26,537	33,391	33,083	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	25,028	31,435	35,757	No	No	No	High school diploma or equivalent	No	No	No
43-5051	Postal Service Clerks	37,760	50,576	62,991	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,605	52,446	65,033	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	32,843	49,216	60,059	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	24,995	46,862	59,954	No	No	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	26,493	35,317	41,617	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	25,300	34,988	39,718	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	31,031	52,907	63,740	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	23,495	34,823	39,647	No	No	No	Some college, no degree	No	No	No
43-6013	Medical Secretaries and Administrative Assistants	24,222	36,554	41,439	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	22,211	35,969	44,443	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	23,744	37,238	43,317	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	20,317	37,849	45,394	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	27,436	50,466	55,148	No	Yes	No	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	22,813	37,766	44,241	No	No	No	High school diploma or equivalent	No	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	19,625	30,173	35,513	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	21,142	33,950	40,139	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	19,416	31,841	37,010	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	25,376	40,367	53,517	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	31,279	52,745	64,627	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	19,274	36,005	46,130	No	No	No	Some college, no degree	No	No	No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	29,848	53,174	58,543	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	19,559	35,580	45,011	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders										
45-2041	Graders and Sorters, Agricultural Products	24,451	32,328	36,295	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	22,105	31,994	36,571	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	18,109	23,459	24,375	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	20,007	30,745	39,404	No	No	No	No formal educational credential	No	Yes	Yes

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45-2099	Agricultural Workers, All Other	18,748	27,655	27,941	No	No	No	No formal educational credential	No	Yes	No
45-3031	Fishing and Hunting Workers	20,007	30,745	39,404	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	34,559	39,461	42,875	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	26,148	35,818	39,280	No	No	No	High school diploma or equivalent	No	No	No
45-4022	Logging Equipment Operators	17,919	34,569	44,019	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	22,019	31,784	37,010	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,815	45,192	56,922	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	33,574	56,511	64,486	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	33,443	49,493	58,075	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	33,996	46,192	55,364	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2022	Stonemasons	31,384	37,716	41,559	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	28,047	39,531	46,483	No	No	No	Postsecondary nondegree award	Yes	No	No
47-2041	Carpet Installers	17,852	31,098	40,119	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,906	38,145	49,684	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	24,947	34,140	38,994	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	30,000	38,950	44,816	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	24,820	34,907	40,200	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	32,442	42,713	48,034	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2061	Construction Laborers	26,428	33,762	38,219	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	22,996	34,086	39,125	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	32,108	48,301	57,541	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	25,177	37,939	40,643	No	No	No	High school diploma or equivalent	No	No	No
47-2081	Drywall and Ceiling Tile Installers	22,153	35,627	43,495	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	18,033	39,213	48,053	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	33,005	49,613	60,898	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	28,064	39,181	46,610	No	No	No	High school diploma or equivalent	Yes	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	26,177	37,563	44,162	No	No	No	High school diploma or equivalent	No	No	No
47-2132	Insulation Workers, Mechanical	27,903	38,040	44,000	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	28,329	37,378	40,321	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	31,489	45,659	58,447	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	26,185	31,039	33,797	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	28,281	39,482	45,237	No	No	No	Postsecondary nondegree award	Yes	No	No
47-2161	Plasterers and Stucco Masons	21,800	36,028	43,590	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	30,163	43,361	49,865	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	29,041	38,720	41,539	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	35,791	59,885	75,169	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	26,091	42,121	49,769	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2231	Solar Photovoltaic Installers	24,327	34,435	38,517	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	21,180	29,085	34,063	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	21,332	30,974	36,228	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	23,130	30,853	35,631	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	19,740	26,921	31,365	No	No	No	No formal educational credential	No	No	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	25,350	30,119	32,922	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	23,554	32,614	37,334	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	21,990	30,125	34,655	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	30,813	61,763	77,682	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	39,508	74,058	93,245	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	24,537	36,705	45,087	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	25,767	37,954	45,011	No	No	No	High school diploma or equivalent	No	No	No
47-4051	Highway Maintenance Workers	22,168	36,070	42,279	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	32,661	45,917	52,649	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	24,594	36,495	39,404	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	26,091	37,105	41,978	No	No	No	High school diploma or equivalent	No	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	32,776	43,170	48,863	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	23,783	51,696	66,820	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	24,985	39,337	45,602	No	No	No	High school diploma or equivalent	No	No	No
47-5041	Continuous Mining Machine Operators	34,616	55,091	65,723	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining										
47-5051	Rock Splitters, Quarry	29,248	35,761	37,954	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	32,776	43,170	48,863	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	22,601	32,709	38,250	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	25,233	43,733	50,847	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	34,016	54,156	69,452	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	37,368	65,193	84,711	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	28,147	34,649	38,349	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	29,896	55,072	70,253	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	27,398	46,548	69,322	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	36,086	67,233	80,048	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	26,997	41,358	48,940	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	32,251	52,525	66,162	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	33,463	52,344	61,661	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	40,491	68,470	86,951	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	24,355	36,285	43,294	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	23,619	38,052	46,650	No	No	No	Postsecondary nondegree award	No	No	No
49-2098	Security and Fire Alarm Systems Installers	18,936	32,689	39,192	No	No	No	Postsecondary nondegree award	No	No	No
49-3011	Aircraft Mechanics and Service Technicians	47,686	65,284	73,572	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	32,355	46,029	53,255	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	20,865	35,761	41,235	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	27,231	47,891	61,612	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	33,171	46,380	52,484	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	25,347	40,538	49,150	No	No	No	High school diploma or equivalent	No	No	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	30,429	54,757	68,346	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	34,883	53,498	60,679	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	26,184	50,820	68,502	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3052	Motorcycle Mechanics	24,470	35,170	41,397	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	27,298	33,727	37,961	No	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	21,313	28,694	32,642	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	26,665	39,216	50,117	No	No	No	High school diploma or equivalent	No	No	Yes
49-3093	Tire Repairers and Changers	22,870	37,463	52,367	No	No	No	High school diploma or equivalent	No	No	Yes
49-9011	Mechanical Door Repairers	23,202	38,450	45,230	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	30,096	48,425	57,408	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	28,125	48,160	60,138	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	25,252	38,679	46,241	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	34,600	56,368	68,330	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	23,917	37,945	46,622	No	No	No	High school diploma or equivalent	No	No	No
49-9044	Millwrights	30,668	47,853	59,010	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	22,652	45,810	65,054	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	40,496	59,447	67,109	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	18,548	39,613	52,440	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	26,186	49,073	61,394	No	Yes	Yes	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	22,648	33,682	38,393	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,922	41,778	51,886	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	36,600	54,251	62,176	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	26,578	40,641	50,632	No	No	No	High school diploma or equivalent	No	No	Yes
49-9081	Wind Turbine Service Technicians	42,951	70,329	85,444	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18,643	29,410	35,560	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	32,366	48,024	48,778	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	28,005	42,807	52,051	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9095	Manufactured Building and Mobile Home Installers	20,369	28,036	30,640	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	31,098	46,947	56,836	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	37,868	63,244	76,137	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	24,928	35,064	39,826	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	25,951	31,995	32,072	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	30,490	56,246	73,723	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	18,376	39,404	50,914	No	No	No	Postsecondary nondegree award	No	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	17,899	34,187	47,700	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	23,898	32,757	37,635	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	24,422	28,933	30,354	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	24,518	34,826	39,823	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	24,794	34,349	38,240	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	19,793	31,237	36,198	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	24,630	34,872	38,528	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	19,974	32,395	40,205	No	No	No	No formal educational credential	No	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	19,323	27,197	35,276	No	No	No	No formal educational credential	No	No	Yes
51-3023	Slaughterers and Meat Packers	21,380	27,302	29,972	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	24,451	32,328	36,295	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,910	29,019	33,539	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	18,577	26,806	31,126	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,217	26,101	29,276	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	24,622	33,987	38,593	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	25,242	34,092	37,725	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	25,414	34,969	40,901	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,932	31,155	36,276	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	31,975	52,592	64,217	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,170	31,279	36,438	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,019	36,362	42,751	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	32,261	42,493	48,225	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

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51-4041	Machinists	28,681	45,121	54,062	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	29,295	40,491	47,090	No	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	25,052	39,547	47,404	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	31,975	52,592	64,217	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	28,542	50,876	60,069	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	20,503	36,009	45,697	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	20,236	32,051	37,649	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24,441	34,597	37,983	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	28,542	50,876	60,069	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	30,603	47,034	50,120	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	24,079	34,016	39,060	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	21,390	33,291	38,288	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	27,407	43,733	54,404	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	27,274	37,143	40,205	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,109	34,340	38,049	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	20,322	32,690	37,163	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	21,800	36,934	44,095	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	21,119	31,291	37,009	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	20,007	30,411	36,648	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	20,329	25,022	27,810	No	No	No	No formal educational credential	Yes	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	18,262	23,335	26,492	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	18,912	31,543	39,864	No	No	No	No formal educational credential	No	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	18,891	29,562	35,580	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,186	28,475	34,359	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,217	27,216	32,423	No	No	No	No formal educational credential	No	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	19,101	28,342	33,129	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	24,603	29,667	33,739	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20,198	29,934	35,131	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18,186	25,223	28,723	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,102	43,151	67,173	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	36,352	65,723	78,302	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	17,957	28,237	30,039	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	23,001	37,210	44,181	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,842	26,282	32,108	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	26,735	38,104	41,850	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	18,987	35,208	43,638	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	20,751	29,352	32,642	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	20,255	31,412	37,315	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	21,781	38,946	54,213	No	No	No	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	67,163	91,834	104,088	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	48,482	77,606	97,288	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	42,951	70,329	85,444	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	37,239	55,596	62,748	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	31,434	48,150	58,731	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	30,392	49,560	60,326	Yes	Yes	Yes	Associate's degree	No	No	No
51-8092	Gas Plant Operators	31,565	45,736	54,938	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	28,990	48,921	56,941	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	37,372	57,131	61,194	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	25,519	42,646	53,937	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	23,535	36,600	44,086	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	22,792	34,359	39,585	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,990	32,003	36,266	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	24,308	34,874	38,974	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	20,026	33,806	40,290	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	22,353	33,272	39,070	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,744	32,414	36,819	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,952	31,431	36,180	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	27,814	50,419	63,366	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	23,316	43,142	55,033	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	19,011	43,751	57,807	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	24,394	44,010	51,715	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	25,645	37,709	46,829	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	18,634	22,953	28,070	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,805	31,326	40,395	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	20,740	53,407	73,945	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-9141	Semiconductor Processing Technicians	27,073	39,880	46,756	No	No	No	High school diploma or equivalent	Yes	No	No

Workforce Region 2 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-9151	Photographic Process Workers and Processing Machine Operators	23,068	40,081	48,034	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	25,242	37,878	44,935	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	33,854	51,915	60,917	Yes	Yes	Yes	Associate's degree	No	No	No
51-9191	Adhesive Bonding Machine Operators and Tenders										
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,830	33,091	38,011	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	20,703	35,427	43,771	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,823	25,481	31,670	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	22,839	32,375	36,724	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	24,537	35,103	39,499	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders										
51-9198	Helpers--Production Workers	18,579	25,986	33,569	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	19,196	29,867	33,806	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	33,186	60,698	75,346	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	33,574	48,580	55,897	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	116,096	135,947	146,444	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
53-2012	Commercial Pilots	41,130	120,576	151,006	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	33,624	78,814	106,082	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
53-2022	Airfield Operations Specialists	24,241	44,467	57,608	No	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	29,371	55,539	64,150	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,903	27,827	30,201	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,119	27,121	32,709	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	21,654	42,635	47,912	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	24,614	41,096	46,444	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	22,992	35,084	40,720	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19,769	30,823	37,246	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	26,780	41,961	55,241	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-4011	Locomotive Engineers	51,066	64,121	70,635	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	51,534	64,751	73,705	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	33,148	54,156	64,741	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	51,534	64,751	73,705	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	21,352	40,233	56,702	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	27,626	52,783	68,899	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	22,834	34,740	40,280	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	34,451	54,262	72,898	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	19,053	41,883	53,355	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	31,374	69,986	85,730	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	24,498	38,088	46,766	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	18,975	23,670	26,447	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	19,254	26,511	29,801	No	No	No	No formal educational credential	No	No	No
53-6041	Traffic Technicians	27,474	45,650	52,983	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	50,189	88,191	116,799	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,928	23,450	25,280	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	21,504	31,660	37,096	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,082	32,394	38,860	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	55,719	67,525	79,041	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	32,557	45,945	53,346	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	25,729	39,632	41,654	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	25,216	35,649	41,654	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	20,558	26,635	30,207	No	No	No	No formal educational credential	Yes	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,821	28,853	32,231	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	19,082	30,964	37,010	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	20,778	24,672	25,722	No	No	No	No formal educational credential	Yes	No	No
53-7065	Stockers and Order Fillers	20,889	29,494	35,269	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	19,358	38,841	46,270	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	24,938	30,668	34,582	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,082	32,394	38,860	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	21,685	40,634	51,696	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 3 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
11-1011	Chief Executives	32,488	119,608	148,509	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1021	General and Operations Managers	34,786	81,814	101,057	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	27,175	65,018	101,284	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2011	Advertising and Promotions Managers	44,478	101,429	117,789	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	53,524	122,078	154,714	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	56,366	89,210	107,432	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	50,517	101,814	118,595	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	42,983	92,944	99,757	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	72,908	134,359	159,984	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	42,783	84,180	101,452	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	44,601	86,284	117,595	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	56,356	107,881	133,873	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	68,317	119,686	97,811	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	60,425	97,671	115,736	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	54,664	87,944	110,366	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	53,432	100,073	122,151	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	33,874	72,825	77,206	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-9021	Construction Managers	40,133	59,914	63,094	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9031	Education and Childcare Administrators, Preschool and Daycare	24,901	41,087	47,603	No	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	56,512	79,898	92,887	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	43,250	89,771	106,369	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	38,795	72,898	91,073	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9041	Architectural and Engineering Managers	78,425	129,886	153,825	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	42,848	52,130	59,525	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	42,223	80,670	88,717	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	31,298	60,324	69,846	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	61,851	93,500	105,572	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	47,539	86,444	106,873	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	71,745	80,506	88,353	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	29,365	57,144	66,492	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	28,295	49,102	59,335	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9161	Emergency Management Directors	44,340	75,905	91,916	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	38,612	75,089	91,879	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	41,655	88,530	90,783	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes										
13-1020	Buyers and Purchasing Agents	33,519	62,286	78,141	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1031	Claims Adjusters, Examiners, and Investigators	35,514	60,159	74,007	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	44,945	62,991	73,861	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	28,786	43,904	47,418	Yes	Yes	No	Bachelor's degree	No	No	No
13-1051	Cost Estimators	33,209	50,123	58,604	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	29,646	54,076	63,808	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	17,349	53,991	73,210	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	32,912	63,202	79,616	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1111	Management Analysts	39,197	52,578	60,107	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1121	Meeting, Convention, and Event Planners	23,380	46,137	56,145	No	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	20,256	54,468	84,572	No	Yes	Yes	Bachelor's degree	No	No	Yes
13-1141	Compensation, Benefits, and Job Analysis Specialists	31,683	52,717	61,662	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	22,641	39,861	49,046	No	No	No	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	37,445	66,848	76,776	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1198	Project Management Specialists and Business Operations Specialists, All Other	31,756	60,903	83,662	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2011	Accountants and Auditors	32,374	53,758	65,799	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	23,921	50,866	63,440	No	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	41,527	68,123	81,963	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2041	Credit Analysts	42,058	76,097	90,798	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	28,439	94,262	115,855	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	31,674	64,265	81,660	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2061	Financial Examiners	42,214	76,418	92,163	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	30,455	46,063	48,804	Yes	Yes	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	29,688	59,302	76,723	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2081	Tax Examiners and Collectors, and Revenue Agents	25,964	44,579	51,663	No	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	17,652	43,167	55,971	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	44,070	69,758	85,122	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1211	Computer Systems Analysts	43,763	80,615	97,176	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	47,521	87,242	110,622	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	66,969	109,953	128,447	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	31,528	60,516	74,127	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	31,672	40,888	45,062	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	55,577	99,184	120,712	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	39,291	63,017	83,386	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
15-1245	Database Administrators and Architects	43,240	88,259	112,894	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	42,077	73,384	90,715	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	49,775	91,677	112,858	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	30,813	62,148	76,940	Yes	Yes	Yes	Associate's degree	No	Yes	Yes

Workforce Region 3 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
15-1299	Computer Occupations, All Other	30,327	72,532	94,839	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2011	Actuaries										
15-2021	Mathematicians										
15-2031	Operations Research Analysts	32,701	64,742	82,384	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2041	Statisticians	27,046	66,245	87,342	No	Yes	Yes	Master's degree	No	Yes	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	47,291	85,170	108,559	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	42,791	76,729	93,208	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	39,336	66,245	83,383	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1021	Cartographers and Photogrammetrists	40,280	62,203	73,888	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	31,265	63,803	77,246	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2011	Aerospace Engineers	61,186	100,393	119,667	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers										
17-2031	Bioengineers and Biomedical Engineers	57,135	83,521	100,274	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers										
17-2051	Civil Engineers	50,758	92,539	118,375	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	58,280	94,042	113,976	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	54,248	90,953	111,061	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	60,883	93,804	109,430	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	37,934	75,107	92,539	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	43,130	76,546	94,922	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	48,996	79,158	94,867	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	44,423	73,604	87,993	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	46,705	88,140	107,423	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	47,062	82,210	102,465	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	67,372	108,275	132,535	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	78,892	99,504	112,390	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	67,812	147,291	181,091	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	47,090	90,284	114,049	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	29,618	53,294	63,133	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3012	Electrical and Electronics Drafters	21,437	47,887	59,435	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	32,545	55,650	68,206	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	30,749	50,582	58,317	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	37,320	62,927	81,165	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	28,367	44,975	55,249	Yes	Yes	Yes	Associate's degree	No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	29,383	55,219	68,792	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	30,419	48,703	56,521	Yes	Yes	Yes	Associate's degree	No	Yes	No
17-3025	Environmental Engineering Technologists and Technicians	24,883	40,079	47,979	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	31,473	50,243	59,655	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	28,769	50,710	65,374	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	30,945	47,751	67,534	Yes	Yes	Yes	Associate's degree	No	No	Yes
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	34,662	54,834	65,172	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists										
19-1012	Food Scientists and Technologists	29,420	53,313	67,097	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	29,181	66,226	89,881	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1021	Biochemists and Biophysicists	40,418	73,219	83,383	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	33,186	57,565	70,277	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	29,722	48,666	54,770	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	34,909	65,310	84,382	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1031	Conservation Scientists	42,880	55,158	64,012	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1032	Foresters	42,562	69,544	88,946	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1041	Epidemiologists	30,162	50,618	63,028	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	37,989	80,588	95,609	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	46,210	95,600	119,897	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers										
19-2012	Physicists	78,517	133,974	152,121	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	54,257	90,724	106,635	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	33,251	59,527	73,155	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	45,523	94,583	122,994	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	31,858	55,439	62,349	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	47,530	82,989	105,434	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	42,993	87,755	103,125	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	43,515	107,386	125,707	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	48,474	86,499	97,561	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	27,046	66,245	87,342	No	Yes	Yes	Master's degree	No	Yes	Yes
19-3031	Clinical, Counseling, and School Psychologists	35,661	70,946	80,844	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	27,046	66,245	87,342	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	42,260	89,762	105,911	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists										
19-3051	Urban and Regional Planners	41,842	60,683	69,601	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3091	Anthropologists and Archeologists	30,162	50,618	63,028	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	22,885	53,698	78,856	No	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	50,105	76,088	89,890	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	17,679	33,434	40,491	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	25,470	40,766	50,627	No	No	Yes	Bachelor's degree	No	No	No

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May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
19-4031	Chemical Technicians	28,751	46,714	56,337	Yes	Yes	Yes	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	23,976	42,773	48,895	No	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	24,122	42,672	51,672	No	No	Yes	Associate's degree	No	No	No
19-4051	Nuclear Technicians	64,549	88,259	100,036	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	24,709	49,299	57,162	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	31,206	46,142	56,209	Yes	Yes	Yes	Associate's degree	Yes	No	No
19-4092	Forensic Science Technicians	31,097	50,013	59,664	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	19,256	44,111	55,512	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	32,673	59,082	84,387	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-5012	Occupational Health and Safety Technicians	24,773	46,054	59,710	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	32,613	58,144	72,764	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	27,458	38,915	45,788	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	20,383	32,343	37,457	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	27,057	40,255	48,899	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	21,840	33,269	37,063	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	26,890	39,354	42,658	No	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	30,052	47,212	56,437	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	24,122	41,004	48,538	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	31,995	48,364	61,158	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	18,538	28,090	30,483	No	No	No	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	28,570	38,582	43,063	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	21,405	26,388	25,308	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	21,418	31,125	33,120	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	20,599	35,856	43,048	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	26,686	33,514	34,949	No	No	No	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	23,481	42,901	51,681	No	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	17,991	39,868	52,855	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	50,477	86,276	97,583	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	27,788	47,062	53,239	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	35,606	94,005	115,122	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	23,407	65,328	92,411	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	133,873	172,100	156,996	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	27,679	35,298	40,207	Yes	No	No	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	30,914	48,153	56,301	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	24,443	53,120	56,750	No	Yes	Yes	Associate's degree	No	Yes	No
25-1011	Business Teachers, Postsecondary	54,532	100,054	117,669	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	42,791	90,587	113,380	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	39,116	76,244	100,623	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	24,306	83,117	103,720	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	49,638	101,457	124,277	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1041	Agricultural Sciences Teachers, Postsecondary	50,811	95,838	116,652	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	38,805	82,549	101,081	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary										
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	43,763	87,214	108,046	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	47,988	80,707	95,325	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	21,474	68,957	80,945	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	44,753	86,829	109,714	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	53,377	85,317	96,407	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	39,785	73,696	89,515	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary										
25-1064	Geography Teachers, Postsecondary										
25-1065	Political Science Teachers, Postsecondary	48,565	86,334	97,268	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	38,493	74,786	89,230	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	39,446	74,466	90,798	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	40,463	77,114	102,309	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	52,671	106,910	114,058	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	52,671	106,910	114,058	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	38,905	62,725	74,438	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary										
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	36,431	82,036	89,322	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	51,507	139,427	184,794	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary										
25-1121	Art, Drama, and Music Teachers, Postsecondary	30,620	90,816	103,876	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	38,126	66,455	78,526	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	28,650	70,360	97,461	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	43,378	78,828	101,594	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	26,725	76,335	87,782	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	41,380	85,821	100,916	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	30,584	61,607	74,713	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	29,081	51,297	60,801	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	21,034	51,214	64,375	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	21,105	37,799	48,333	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	39,094	59,217	67,870	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2021	Elementary School Teachers, Except Special Education	37,317	56,486	67,014	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	35,827	59,627	70,871	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	27,468	54,110	69,113	Yes	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	36,224	57,584	69,733	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	35,804	53,486	61,807	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2051	Special Education Teachers, Preschool	29,374	57,006	72,513	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	37,512	58,610	70,781	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2057	Special Education Teachers, Middle School	37,595	54,651	64,146	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	38,291	57,794	69,232	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	25,680	47,502	57,749	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	24,997	34,744	38,750	No	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	18,165	37,851	49,271	No	No	No	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	18,144	21,366	23,130	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	19,850	62,484	87,375	No	Yes	Yes	Bachelor's degree	No	No	Yes
25-4011	Archivists	25,048	39,914	46,494	No	No	No	Master's degree	No	No	No
25-4012	Curators	26,524	50,591	57,584	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	20,960	37,815	45,559	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	23,400	51,275	66,272	No	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	19,526	24,561	25,330	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	18,837	32,630	43,370	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	30,730	56,960	70,323	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	17,542	34,946	45,092	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	18,349	23,128	25,868	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	21,501	45,953	58,638	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	42,975	87,837	94,784	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists										
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	17,615	43,460	58,189	No	Yes	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	39,116	60,315	71,689	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	27,843	78,544	96,022	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	36,550	61,946	72,330	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1022	Fashion Designers	29,685	57,345	66,318	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	19,796	29,154	33,645	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	27,724	47,301	57,400	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	22,445	48,859	57,978	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	19,375	31,986	35,322	No	No	No	Some college, no degree	No	Yes	No
27-1027	Set and Exhibit Designers	20,722	45,101	56,007	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	29,420	53,808	61,717	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	19,635	40,547	45,104	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	30,144	67,106	79,296	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-2021	Athletes and Sports Competitors	17,157	65,072	76,546	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	18,128	41,756	49,014	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	17,175	36,046	43,021	No	No	No	Some college, no degree	No	Yes	Yes
27-2031	Dancers										
27-2032	Choreographers										
27-2041	Music Directors and Composers	17,267	60,553	70,424	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	17,367	82,239	115,294	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	17,368	23,856	27,761	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,248	54,587	67,079	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	26,395	58,097	67,390	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	32,725	56,654	73,192	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	22,573	50,857	59,444	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	31,528	57,410	70,699	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	26,047	62,533	65,429	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	21,373	50,078	64,063	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	17,771	46,879	77,041	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	17,542	41,197	51,269	No	No	Yes	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	25,030	45,724	56,172	No	Yes	Yes	Associate's degree	No	No	No
27-4012	Broadcast Technicians	20,218	42,828	52,286	No	No	Yes	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	21,639	51,791	59,490	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	17,588	33,535	37,100	No	No	No	Some college, no degree	No	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	21,464	45,697	56,823	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	29,218	49,473	59,609	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	22,665	74,475	96,691	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	31,922	77,673	87,883	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	82,082	165,813	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	58,509	215,368	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1023	Orthodontists	82,082	165,813	190,632	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists										
29-1029	Dentists, All Other Specialists	52,488	160,672	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	52,759	67,852	77,426	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
29-1041	Optometrists	41,444	97,561	122,884	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1051	Pharmacists	85,608	114,709	137,045	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1071	Physician Assistants	58,812	99,734	120,410	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	49,363	121,629	166,785	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1122	Occupational Therapists	61,271	100,040	120,688	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	68,468	88,373	98,668	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1124	Radiation Therapists	52,900	77,756	90,220	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	25,882	46,842	55,852	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	42,535	55,127	60,562	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	41,740	69,440	84,716	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	32,563	49,628	60,938	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	29,108	47,218	55,265	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	53,954	103,271	115,488	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	43,186	62,204	71,995	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	124,497	162,001	166,959	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,071	61,891	90,752	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	68,025	92,777	105,840	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	40,528	67,601	76,335	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	124,809	248,775	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	86,912	187,323	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	46,723	192,181	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	114,306	225,065	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	53,918	145,054	180,752	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	42,975	184,702	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	49,628	202,042	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	47,667	224,387	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	39,300	53,467	61,508	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	19,861	61,717	74,401	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	30,191	51,862	61,946	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	23,930	45,413	62,267	No	Yes	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	43,992	62,331	72,257	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	52,827	69,865	78,801	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	34,506	52,790	62,102	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	43,222	61,314	71,579	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	20,603	32,948	37,457	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	18,981	27,385	29,640	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	23,673	31,968	35,661	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	20,823	30,345	34,653	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	29,658	42,810	50,013	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	22,188	32,545	36,972	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	25,103	37,531	44,249	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	29,295	37,566	40,680	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
29-2081	Opticians, Dispensing	21,373	38,860	51,654	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	34,039	70,076	82,769	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-2092	Hearing Aid Specialists	26,670	58,060	67,069	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	24,528	40,052	48,930	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-9091	Athletic Trainers	30,519	44,771	50,838	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors										
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	26,359	54,293	67,674	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	18,328	22,220	24,668	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,208	27,225	30,578	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	19,485	25,964	28,531	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	23,435	27,513	29,328	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	46,742	61,900	71,918	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides										
31-2021	Physical Therapist Assistants	44,625	63,231	75,452	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	17,863	25,983	29,557	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	26,638	42,456	59,928	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-9091	Dental Assistants	28,988	38,885	45,903	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	22,666	29,338	32,419	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	22,143	31,308	35,908	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	18,843	31,069	35,734	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	19,732	29,869	35,689	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	19,338	27,477	32,151	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	24,287	31,812	35,872	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	23,217	36,664	46,710	No	No	No	High school diploma or equivalent	No	No	Yes
33-1011	First-Line Supervisors of Correctional Officers	31,482	43,910	45,284	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	36,693	57,389	70,408	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	39,965	46,415	50,837	Yes	Yes	Yes	Associate's degree	Yes	No	No
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	24,663	44,019	54,495	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	27,687	48,318	59,408	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	40,253	56,768	61,076	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	27,174	32,123	35,093	No	No	No	Some college, no degree	Yes	Yes	No
33-3011	Bailiffs	30,135	42,837	49,628	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	28,192	41,737	49,693	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	33,442	40,702	47,479	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	19,439	26,084	28,173	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	25,314	39,300	46,091	No	No	No	High school diploma or equivalent	No	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	28,913	40,914	47,093	Yes	No	No	Associate's degree	No	No	No
33-3052	Transit and Railroad Police	41,252	59,426	70,552	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	24,865	35,533	40,170	No	No	No	Postsecondary nondegree award	No	No	No

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33-9021	Private Detectives and Investigators	30,574	45,220	55,109	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators										
33-9032	Security Guards	18,926	33,032	31,914	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	19,063	25,772	28,751	No	No	No	No formal educational credential	No	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	17,798	26,423	29,026	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	32,820	38,924	41,554	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	18,990	32,023	36,816	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	26,459	50,710	62,753	No	Yes	Yes	Associate's degree	No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	22,907	33,567	37,169	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	17,010	20,181	21,849	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	18,270	23,036	27,140	No	No	No	No formal educational credential	No	No	No
35-2013	Cooks, Private Household	19,292	27,642	32,426	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	20,913	27,387	30,748	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	18,028	24,342	27,825	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	19,861	27,999	32,930	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	21,759	26,176	29,605	No	No	No	No formal educational credential	Yes	No	Yes
35-3011	Bartenders	17,102	24,388	27,028	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,764	22,005	23,638	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,670	23,344	27,181	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	17,349	21,914	23,527	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	17,203	21,263	22,711	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	17,450	21,584	23,692	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	17,267	21,703	23,572	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	17,340	25,204	28,173	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	21,082	33,756	38,942	No	No	No	High school diploma or equivalent	No	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	26,881	45,669	56,062	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	18,924	27,616	28,132	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	18,571	21,277	22,632	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	19,778	33,452	48,336	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	22,381	35,927	42,819	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	20,976	28,720	30,239	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	20,740	31,188	36,073	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	20,374	33,104	41,664	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	23,994	32,847	36,330	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	33,452	51,361	60,590	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	24,773	43,185	51,260	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	20,044	36,449	41,902	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	17,908	25,799	28,036	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	16,891	22,995	25,946	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners										
39-3019	Gambling Service Workers, All Other										
39-3021	Motion Picture Projectionists										
39-3031	Ushers, Lobby Attendants, and Ticket Takers	17,468	23,352	25,928	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	17,276	22,033	23,407	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants										
39-3093	Locker Room, Coatroom, and Dressing Room Attendants										
39-3099	Entertainment Attendants and Related Workers, All Other	17,368	23,856	27,761	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	31,069	52,167	53,157	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
39-4021	Funeral Attendants	19,521	27,468	29,026	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	29,026	50,307	56,191	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-5011	Barbers	20,081	29,154	34,690	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	17,688	27,898	32,398	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance										
39-5092	Manicurists and Pedicurists	18,587	24,782	27,293	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	17,652	24,131	27,843	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,311	33,076	38,191	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	17,258	22,885	26,111	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	19,301	26,588	29,520	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	20,227	29,988	32,884	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	18,528	19,825	20,147	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	17,578	35,258	44,670	No	No	No	Postsecondary nondegree award	No	No	Yes
39-9032	Recreation Workers	19,219	36,739	54,942	No	No	Yes	Bachelor's degree	No	No	No
39-9041	Residential Advisors	19,091	28,686	34,259	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	17,267	25,864	28,631	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	26,825	40,477	47,687	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	56,529	94,219	99,317	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	18,918	21,970	23,777	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	17,404	26,230	32,426	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	18,475	31,004	39,775	No	No	No	No formal educational credential	No	Yes	Yes
41-2022	Parts Salespersons	21,244	25,563	28,150	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,337	25,823	29,655	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	22,922	41,700	51,922	No	No	Yes	Some college, no degree	Yes	Yes	Yes
41-3021	Insurance Sales Agents	32,157	60,455	80,534	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	34,065	46,049	45,912	Yes	Yes	No	Bachelor's degree	No	No	No
41-3041	Travel Agents	18,321	37,036	45,541	No	No	No	Some college, no degree	No	Yes	Yes

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41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	22,766	57,327	69,462	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	30,391	84,236	112,574	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	19,075	63,195	98,522	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-9011	Demonstrators and Product Promoters	18,972	35,963	45,229	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models										
41-9021	Real Estate Brokers	24,507	61,241	63,752	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	18,321	56,016	64,760	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	51,425	102,346	132,168	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	18,046	25,488	28,036	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,230	25,268	27,449	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	18,651	33,095	35,689	No	No	No	Some college, no degree	No	Yes	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	28,417	47,503	60,071	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	19,375	28,063	31,436	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	22,115	28,787	29,905	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	27,064	37,457	44,285	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	18,865	36,994	45,445	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	24,211	33,422	38,449	No	No	No	High school diploma or equivalent	No	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	22,853	35,168	42,448	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	18,183	25,625	28,961	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	28,821	40,923	48,407	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	27,907	39,648	46,036	Yes	No	No	Associate's degree	No	No	No
43-3071	Tellers	24,615	32,441	37,338	No	No	No	High school diploma or equivalent	No	No	No
43-3099	Financial Clerks, All Other	28,082	42,929	50,188	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	32,398	49,775	59,463	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks										
43-4031	Court, Municipal, and License Clerks	27,205	32,126	33,691	No	No	No	Some college, no degree	Yes	Yes	No
43-4041	Credit Authorizers, Checkers, and Clerks	26,084	39,703	45,550	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	21,649	33,720	37,850	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	24,581	33,223	39,629	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	23,031	29,043	32,066	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	18,073	24,223	27,101	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	18,293	33,617	38,227	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	18,559	21,477	22,559	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	23,921	39,739	47,649	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-4141	New Accounts Clerks	27,303	37,302	42,425	No	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	21,171	32,187	36,486	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	30,609	56,308	74,428	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
43-4171	Receptionists and Information Clerks	19,543	27,706	33,291	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	21,758	38,612	53,404	No	No	Yes	High school diploma or equivalent	No	No	Yes
43-4199	Information and Record Clerks, All Other	30,054	43,576	57,658	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5011	Cargo and Freight Agents	24,846	40,803	47,053	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-5021	Couriers and Messengers	19,411	29,658	34,470	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	26,178	30,796	32,204	No	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	19,831	38,655	51,271	No	No	Yes	High school diploma or equivalent	No	No	Yes
43-5041	Meter Readers, Utilities	24,150	38,411	45,385	No	No	No	High school diploma or equivalent	No	No	No
43-5051	Postal Service Clerks	37,762	51,406	62,986	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,610	54,344	68,338	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	31,564	47,301	57,721	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	21,958	39,994	42,804	No	No	No	Some college, no degree	No	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	24,876	36,689	44,092	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	24,315	33,626	38,172	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	23,898	40,293	47,533	No	No	No	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	27,504	43,589	53,075	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	20,324	30,160	32,040	No	No	No	Some college, no degree	No	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	21,074	32,868	39,002	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	21,597	29,989	34,309	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	20,305	26,122	33,870	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	26,368	48,501	53,001	No	Yes	Yes	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	25,360	38,557	43,598	No	No	No	High school diploma or equivalent	No	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	18,862	28,998	34,130	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	19,899	31,031	34,599	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	18,660	30,602	35,569	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers										
43-9111	Statistical Assistants										
43-9199	Office and Administrative Support Workers, All Other	22,757	33,967	39,100	No	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	28,686	51,104	56,264	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	18,797	34,195	43,259	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	20,044	36,449	41,902	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	23,499	31,069	34,882	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	21,244	30,749	35,148	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	17,404	22,546	23,426	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	19,228	29,548	37,870	No	No	No	No formal educational credential	No	Yes	Yes

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45-2099	Agricultural Workers, All Other	18,018	26,579	26,853	No	No	No	No formal educational credential	No	No	No
45-3031	Fishing and Hunting Workers	19,228	29,548	37,870	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	33,214	37,925	41,206	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	25,130	34,424	37,751	No	No	No	High school diploma or equivalent	No	No	No
45-4022	Logging Equipment Operators	19,179	33,815	39,201	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	21,162	30,547	35,569	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,083	43,433	54,706	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	34,777	56,482	71,994	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	32,142	47,566	55,815	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	26,936	39,217	45,715	No	No	No	High school diploma or equivalent	Yes	Yes	No
47-2022	Stonemasons	30,162	36,248	39,941	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	26,546	37,097	43,527	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	17,157	29,887	38,557	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,014	36,660	47,750	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	23,976	32,811	37,476	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	24,058	36,000	41,875	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	23,682	36,477	43,149	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	31,179	41,050	46,164	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	21,378	29,745	34,677	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	24,507	34,424	37,063	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators										
47-2073	Operating Engineers and Other Construction Equipment Operators	25,248	33,449	37,359	No	No	No	High school diploma or equivalent	No	No	No
47-2081	Drywall and Ceiling Tile Installers	21,290	34,240	41,802	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	17,331	37,686	46,182	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	33,206	41,153	46,781	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	24,929	38,731	46,604	No	No	No	High school diploma or equivalent	No	No	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	25,158	36,101	42,443	No	No	No	High school diploma or equivalent	No	No	No
47-2132	Insulation Workers, Mechanical	26,817	36,559	42,287	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	25,465	36,026	40,371	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	30,263	43,882	56,172	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	25,864	36,092	41,087	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	26,612	30,976	32,047	No	No	No	Postsecondary nondegree award	Yes	No	No
47-2161	Plasterers and Stucco Masons	20,951	34,625	41,893	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	28,989	41,673	47,924	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	19,293	39,135	48,117	No	No	No	No formal educational credential	No	Yes	Yes
47-2211	Sheet Metal Workers	24,379	38,951	46,210	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2221	Structural Iron and Steel Workers	25,075	40,482	47,832	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2231	Solar Photovoltaic Installers	23,380	33,095	37,017	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20,355	27,953	32,737	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	20,502	29,768	34,818	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	20,841	28,604	32,967	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	18,972	25,873	30,144	No	No	No	No formal educational credential	No	No	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	21,400	28,677	32,197	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	22,638	31,344	35,881	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	21,134	28,952	33,306	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	32,948	56,026	68,288	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	37,971	71,175	89,615	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	23,582	35,276	43,332	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	24,764	36,477	43,259	No	No	No	High school diploma or equivalent	No	No	No
47-4051	Highway Maintenance Workers	21,623	26,794	29,145	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	31,390	44,129	50,600	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	23,637	35,074	37,870	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	25,075	35,661	40,344	No	No	No	High school diploma or equivalent	No	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas										
47-5013	Service Unit Operators, Oil and Gas										
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	24,012	37,806	43,827	No	No	No	High school diploma or equivalent	No	No	No
47-5041	Continuous Mining Machine Operators	33,269	52,946	63,165	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining										
47-5051	Rock Splitters, Quarry	28,109	34,369	36,477	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	31,500	41,490	46,961	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	21,721	31,436	36,761	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	24,251	42,031	48,868	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	32,692	52,048	66,749	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	38,887	75,648	95,531	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	19,425	35,985	37,765	No	No	No	Postsecondary nondegree award	No	Yes	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	28,732	52,928	67,519	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	31,289	52,515	67,033	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	31,225	53,991	65,603	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	25,946	39,749	47,035	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	30,996	50,481	63,587	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	32,160	50,307	59,261	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	38,915	65,805	83,566	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	23,407	34,873	41,609	No	No	No	Postsecondary nondegree award	No	No	Yes
49-2097	Audiovisual Equipment Installers and Repairers	22,243	40,326	51,187	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	26,001	41,453	50,233	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	31,482	62,432	81,239	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	24,296	45,724	53,276	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	20,053	34,369	39,629	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	25,814	39,828	46,962	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	28,583	40,287	47,465	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	24,361	38,960	47,236	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	34,240	45,620	51,868	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	33,526	51,416	58,317	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	25,909	45,917	58,024	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	23,517	33,801	39,785	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	21,235	33,727	40,253	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	20,484	27,577	31,372	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	25,085	44,019	55,595	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
49-3093	Tire Repairers and Changers	19,329	28,751	33,984	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	22,298	36,953	43,470	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	28,925	46,540	55,173	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	27,795	35,387	39,086	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-9031	Home Appliance Repairers	24,269	37,173	44,441	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9041	Industrial Machinery Mechanics	29,569	47,148	59,324	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	21,462	28,558	29,701	No	No	No	High school diploma or equivalent	No	No	No
49-9044	Millwrights	29,475	45,990	56,713	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	31,170	54,623	71,020	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	27,972	42,177	47,942	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers										
49-9062	Medical Equipment Repairers	25,167	47,163	59,004	No	Yes	Yes	Associate's degree	No	No	Yes
49-9063	Musical Instrument Repairers and Tuners										
49-9064	Watch and Clock Repairers										
49-9069	Precision Instrument and Equipment Repairers, All Other										
49-9071	Maintenance and Repair Workers, General	25,304	37,082	45,483	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	41,279	67,592	82,118	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	17,918	28,265	34,176	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	31,106	46,155	46,879	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	24,021	37,641	46,320	No	No	No	High school diploma or equivalent	No	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	19,576	26,945	29,447	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	29,887	45,119	54,623	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	36,394	60,782	73,173	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	18,455	23,436	28,299	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	34,844	48,570	57,822	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-1011	First-Line Supervisors of Production and Operating Workers	31,588	47,925	61,823	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	17,661	37,870	48,932	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers										
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	19,815	30,364	34,680	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	23,472	27,807	29,172	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	23,563	33,471	38,273	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	23,829	33,012	36,752	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	23,432	35,017	39,959	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	19,292	27,642	32,426	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	20,190	32,389	38,181	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	19,943	28,567	33,920	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	20,548	26,239	28,806	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	23,499	31,069	34,882	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,174	27,889	32,233	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	17,853	25,763	29,915	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	19,430	25,085	28,137	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	23,664	32,664	37,091	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	24,260	32,765	36,257	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic										
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,117	29,942	34,864	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30,730	50,545	61,717	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,346	30,061	35,019	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,162	34,946	41,087	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic										

Workforce Region 3 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-4041	Machinists	25,259	39,923	47,722	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders										
51-4052	Pourers and Casters, Metal										
51-4061	Model Makers, Metal and Plastic										
51-4062	Patternmakers, Metal and Plastic										
51-4071	Foundry Mold and Coremakers										
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	19,448	30,804	36,183	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	23,490	33,251	36,504	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	27,431	48,895	57,730	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	29,872	39,279	45,088	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	23,142	32,692	37,540	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic										
51-4192	Layout Workers, Metal and Plastic										
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic										
51-4194	Tool Grinders, Filers, and Sharpeners	24,131	33,003	36,568	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other										
51-5111	Prepress Technicians and Workers	20,951	35,496	42,379	No	No	No	Postsecondary nondegree award	No	No	Yes
51-5112	Printing Press Operators	22,357	29,780	34,712	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	19,228	29,227	35,221	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,443	22,488	26,096	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	17,551	22,427	25,460	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	17,615	25,662	29,053	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	18,156	28,412	34,195	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders										
51-6051	Sewers, Hand	19,430	26,157	31,161	No	No	No	No formal educational credential	No	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	18,357	27,238	31,839	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	23,646	28,512	32,426	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders										
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	17,478	24,241	27,605	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	19,320	41,472	64,558	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers										
51-6092	Fabric and Apparel Patternmakers										
51-6093	Upholsterers	22,106	35,762	42,461	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,148	25,259	30,859	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	22,995	34,323	40,693	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	18,248	33,837	41,939	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	25,474	30,913	34,509	No	No	No	High school diploma or equivalent	Yes	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	26,391	39,211	47,803	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-7099	Woodworkers, All Other	20,933	37,430	52,103	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators										
51-8012	Power Distributors and Dispatchers	46,595	74,585	93,501	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	41,279	67,592	82,118	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	35,789	53,432	60,306	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	27,593	37,940	46,008	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators										
51-8092	Gas Plant Operators	30,336	43,955	52,800	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers										
51-8099	Plant and System Operators, All Other	35,918	54,908	58,812	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders										
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	22,619	35,175	42,370	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	21,904	33,021	38,044	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,134	30,758	34,854	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	23,362	33,516	37,457	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	19,247	32,490	38,722	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	21,483	31,977	37,549	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	21,859	31,152	35,386	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,098	30,208	34,772	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	19,474	35,562	43,371	No	No	No	Postsecondary nondegree award	No	No	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	22,408	41,462	52,891	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	20,273	38,832	47,475	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	23,444	42,296	49,702	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	20,227	31,418	35,459	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	18,064	27,559	32,554	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,073	30,107	38,823	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	24,104	36,678	41,820	No	No	No	High school diploma or equivalent	No	No	No
51-9141	Semiconductor Processing Technicians										

Workforce Region 3 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-9151	Photographic Process Workers and Processing Machine Operators	22,170	38,520	46,164	No	No	No	High school diploma or equivalent	No	No	Yes
51-9161	Computer Numerically Controlled Tool Operators	24,260	36,403	43,185	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9162	Computer Numerically Controlled Tool Programmers	32,536	49,894	58,546	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	19,778	31,793	38,530	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders										
51-9193	Cooling and Freezing Equipment Operators and Tenders	19,897	34,048	42,067	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,129	24,489	30,437	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	21,950	31,115	35,294	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	23,582	33,736	37,961	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders										
51-9198	Helpers--Production Workers	18,495	26,725	29,924	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	18,449	28,705	32,490	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	31,894	58,335	72,413	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	35,074	52,474	61,843	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	89,982	210,548	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	39,529	115,882	145,128	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	63,706	112,409	139,308	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	23,297	42,736	55,366	No	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants										
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,090	26,743	29,026	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,652	24,635	29,324	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	25,076	37,794	43,970	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	18,687	29,769	43,793	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	22,097	33,718	39,135	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	18,563	27,644	34,680	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	18,422	28,091	33,608	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	49,079	61,625	67,885	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers										
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers										
53-4031	Railroad Conductors and Yardmasters	49,528	62,230	70,836	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	20,520	38,667	54,495	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other										
53-5011	Sailors and Marine Oilers	21,849	37,714	44,689	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	20,493	74,337	96,938	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators										
53-5031	Ship Engineers	30,153	67,262	82,393	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	23,545	36,605	44,945	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	17,468	22,638	26,001	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	18,504	25,479	28,641	No	No	No	No formal educational credential	No	No	No
53-6041	Traffic Technicians	26,404	43,873	50,921	No	Yes	Yes	Associate's degree	No	No	No
53-6051	Transportation Inspectors	48,235	84,758	112,253	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,230	22,537	24,296	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	20,667	30,428	35,652	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	18,339	31,134	37,347	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	32,811	55,961	68,023	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	31,289	44,157	51,269	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators										
53-7051	Industrial Truck and Tractor Operators	26,423	42,349	39,783	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	21,847	35,197	32,569	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	19,743	32,378	35,742	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	18,339	29,759	35,569	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	17,954	23,252	24,058	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	20,607	29,373	32,544	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	18,605	37,329	44,469	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	19,448	27,028	31,681	No	No	No	No formal educational credential	No	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders										
53-7199	Material Moving Workers, All Other	20,841	39,052	49,683	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 4 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
11-1011	Chief Executives	19,927	200,387	*	No	Yes	Yes*	Bachelor's degree	No	Yes	Yes*
11-1021	General and Operations Managers	41,454	82,872	105,273	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	18,335	58,953	104,988	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-2011	Advertising and Promotions Managers	46,213	105,386	122,383	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	33,590	105,226	132,552	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2022	Sales Managers	47,003	111,530	137,530	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	23,571	56,936	64,710	No	Yes	Yes	Bachelor's degree	No	No	No
11-3010	Administrative Services and Facilities Managers	28,462	73,108	87,688	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-3021	Computer and Information Systems Managers	66,104	113,702	149,086	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	40,571	107,226	131,810	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	45,124	86,684	115,511	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	58,554	112,089	139,095	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	45,470	77,848	93,255	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	62,782	101,481	120,250	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	60,383	105,508	104,576	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	58,892	103,707	127,442	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	35,195	75,666	80,218	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
11-9021	Construction Managers	46,537	68,066	77,748	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9031	Education and Childcare Administrators, Preschool and Daycare	31,471	38,081	39,700	Yes	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	52,400	91,611	112,479	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	44,937	93,273	110,518	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9039	Education Administrators, All Other	40,309	75,742	94,625	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9041	Architectural and Engineering Managers	72,913	120,127	140,148	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	23,588	63,329	67,859	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	43,870	83,817	92,178	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	42,515	58,952	69,422	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9111	Medical and Health Services Managers	45,017	88,653	112,118	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	48,082	77,769	103,385	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	68,324	84,169	92,854	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	34,989	54,917	66,338	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	48,455	68,923	77,778	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9161	Emergency Management Directors	46,070	78,865	95,501	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	40,118	78,018	95,463	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	50,465	91,307	109,924	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	32,491	81,475	97,977	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	32,487	72,599	96,706	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1031	Claims Adjusters, Examiners, and Investigators	52,930	74,762	85,827	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	46,698	65,448	76,742	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	30,941	56,762	68,781	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	28,789	54,288	65,841	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	31,070	58,713	72,378	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	18,026	56,097	76,066	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	53,019	80,929	96,612	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1111	Management Analysts	42,658	89,177	105,503	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	34,620	52,535	53,387	Yes	Yes	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	26,377	53,269	66,305	No	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	32,919	54,773	64,067	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	22,883	56,827	77,389	No	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	25,623	55,379	71,438	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	30,262	71,940	94,620	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2011	Accountants and Auditors	36,121	63,680	77,162	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	24,854	52,850	65,915	No	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	52,905	71,749	84,396	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	43,699	79,065	94,339	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	39,256	142,881	120,374	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	32,910	66,772	84,845	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	43,861	79,399	95,758	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	31,643	47,860	50,707	Yes	Yes	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	30,914	59,295	77,306	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,327	55,046	89,513	No	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	18,340	44,851	58,154	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	43,572	75,322	95,358	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1211	Computer Systems Analysts	46,746	76,459	95,051	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	64,179	95,625	116,346	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	69,581	114,241	133,458	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	33,336	59,495	77,351	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	32,993	53,000	66,898	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	68,345	98,132	121,605	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	47,450	69,158	84,489	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1245	Database Administrators and Architects	58,130	90,696	106,016	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	43,718	76,247	94,254	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	47,184	81,953	105,071	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	26,802	44,270	58,282	No	No	Yes	Associate's degree	No	No	No

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15-1299	Computer Occupations, All Other	60,484	83,060	97,312	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2011	Actuaries	47,079	111,194	137,124	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	67,067	100,539	113,699	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	33,280	94,445	118,608	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2041	Statisticians	28,101	68,829	90,749	No	Yes	Yes	Master's degree	No	No	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	49,136	88,493	112,794	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	44,461	79,722	96,844	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	40,871	68,829	86,636	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1021	Cartographers and Photogrammetrists	41,851	64,629	76,770	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	26,433	52,443	69,169	No	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	63,572	104,309	124,335	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	41,642	76,818	94,987	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	59,363	86,779	104,186	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	47,651	93,025	117,631	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	48,498	83,174	101,805	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	68,360	97,842	118,503	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	59,308	93,336	106,447	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	72,155	107,488	118,615	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	39,498	82,565	99,751	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	44,813	79,532	98,625	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	63,971	105,455	123,501	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	46,156	76,475	91,426	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	48,527	91,578	111,613	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	62,271	99,298	118,605	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	70,000	112,499	137,705	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	81,970	103,386	116,774	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	70,457	153,036	188,155	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	86,056	120,219	140,132	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	28,220	42,879	52,026	No	No	No	Associate's degree	No	No	No
17-3012	Electrical and Electronics Drafters	22,273	49,755	61,753	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	34,608	51,401	63,210	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	31,948	52,555	60,592	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	38,776	65,381	84,331	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	29,434	49,536	61,639	Yes	Yes	Yes	Associate's degree	No	No	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	48,947	74,617	89,216	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	31,605	50,603	58,725	Yes	Yes	Yes	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	25,854	41,642	49,850	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	32,700	52,202	61,982	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	29,891	52,688	67,924	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	30,202	42,761	49,192	Yes	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	39,856	69,335	87,184	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists										
19-1012	Food Scientists and Technologists	30,567	55,392	69,714	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	30,320	68,810	93,387	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1021	Biochemists and Biophysicists	41,994	76,075	86,636	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	34,481	59,811	73,019	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	30,881	50,564	56,906	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	28,445	63,373	86,964	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	42,802	66,994	82,692	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1032	Foresters	44,222	72,257	92,416	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-1041	Epidemiologists	31,339	52,593	65,486	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	39,471	83,731	99,339	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1099	Life Scientists, All Other	48,012	99,329	124,573	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	81,579	139,200	158,054	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	81,579	139,200	158,054	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	56,373	94,263	110,794	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	34,548	61,849	76,009	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	47,298	98,272	127,792	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	32,728	42,932	45,621	Yes	No	No	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	49,384	86,226	109,547	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	44,670	91,178	107,147	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	45,213	111,575	130,611	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	50,365	89,873	101,367	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	28,101	68,829	90,749	No	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	33,464	53,480	67,620	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	28,101	68,829	90,749	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	43,908	93,263	110,042	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	50,507	72,142	87,512	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	38,275	76,187	99,749	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3091	Anthropologists and Archeologists	31,339	52,593	65,486	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	60,954	80,046	92,654	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	23,778	55,792	81,932	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	52,060	79,056	93,397	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	18,369	34,738	42,070	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	29,202	40,930	48,050	Yes	No	No	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	29,872	48,536	58,535	Yes	Yes	Yes	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	33,050	47,230	59,210	Yes	Yes	Yes	Associate's degree	Yes	No	No
19-4045	Geological and Hydrologic Technicians	25,063	44,337	53,688	No	No	Yes	Associate's degree	No	No	No
19-4051	Nuclear Technicians	67,067	91,702	103,938	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	25,673	51,222	59,392	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	29,729	44,765	53,526	Yes	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	32,310	51,964	61,991	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	20,007	45,832	57,678	No	No	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	34,450	74,167	91,382	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-5012	Occupational Health and Safety Technicians	25,739	47,851	62,039	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	34,706	55,627	70,005	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	28,529	40,433	47,574	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	21,178	33,605	38,918	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	27,250	42,420	52,579	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	22,692	34,567	38,509	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	28,618	44,363	50,706	Yes	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	36,263	54,832	63,430	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	18,959	37,937	49,500	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	33,243	50,250	63,544	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	30,993	43,030	40,315	Yes	No	No	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	29,920	38,338	42,470	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	20,076	33,510	40,384	No	No	No	Some college, no degree	No	No	Yes
21-1094	Community Health Workers	25,073	39,985	47,108	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	25,314	35,142	37,474	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	27,034	52,117	60,858	No	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	24,397	44,575	53,697	No	No	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	18,693	41,423	54,916	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	54,304	110,486	121,655	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	28,872	48,898	55,316	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	36,995	97,672	119,612	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	24,320	67,876	96,015	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	139,095	178,814	163,120	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	28,219	46,661	57,274	No	Yes	Yes	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	32,119	50,031	58,497	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	25,397	55,192	58,963	No	Yes	Yes	Associate's degree	No	Yes	No
25-1011	Business Teachers, Postsecondary	56,659	103,957	122,259	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	44,461	94,120	117,803	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	40,642	79,218	104,548	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	25,254	86,360	107,766	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	51,574	105,414	129,125	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	52,793	99,577	121,202	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	40,318	85,769	105,024	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	65,743	107,747	126,725	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	45,470	90,616	112,261	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	49,860	83,855	99,044	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	22,311	71,647	84,103	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	46,498	90,216	113,994	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	55,459	88,645	100,167	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	41,337	76,570	93,006	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	56,659	103,957	122,259	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary										
25-1065	Political Science Teachers, Postsecondary	50,460	89,702	101,062	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	39,995	77,704	92,711	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	40,985	77,370	94,339	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	42,042	80,122	106,300	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	54,726	111,080	118,508	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	54,726	111,080	118,508	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	40,423	65,172	77,342	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary										
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	37,852	85,236	92,806	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	53,516	144,866	192,002	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	35,119	71,190	83,798	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	31,815	94,358	107,928	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	39,614	69,048	81,589	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	29,767	73,104	101,262	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	45,070	81,903	105,557	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	27,768	79,313	91,207	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	42,994	89,169	104,852	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	31,777	64,010	77,627	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	30,215	53,297	63,172	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	21,854	53,212	66,886	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,111	27,274	27,765	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	34,100	55,154	65,820	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	35,093	59,017	74,554	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	36,410	54,220	63,777	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	28,539	56,221	71,809	Yes	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	37,319	58,592	70,305	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	36,377	64,608	76,992	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2051	Special Education Teachers, Preschool	30,520	59,230	75,342	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	38,976	60,896	73,542	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	39,061	56,783	66,648	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	39,785	60,049	71,933	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2059	Special Education Teachers, All Other	26,682	49,355	60,001	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	30,234	44,841	55,364	Yes	No	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	25,727	56,641	70,273	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
25-3031	Substitute Teachers, Short-Term	17,988	28,206	29,663	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	20,377	45,979	66,133	No	No	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	26,025	41,470	48,308	No	No	No	Master's degree	No	No	No
25-4012	Curators	27,558	52,564	59,830	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	21,778	39,290	47,336	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	40,318	58,313	68,161	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	24,301	35,290	39,099	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	18,150	36,443	46,165	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	41,324	73,825	89,504	Yes	Yes	Yes	Master's degree	No	No	Yes
25-9044	Teaching Assistants, Postsecondary	18,226	36,309	46,851	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	18,498	24,737	27,176	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	22,340	47,746	60,925	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	44,651	91,264	98,482	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	17,464	31,215	37,481	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,302	45,156	60,458	No	No	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	40,642	62,668	74,485	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	28,929	81,608	99,767	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	37,976	64,363	75,152	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	30,843	59,582	68,905	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	22,202	29,340	33,261	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	20,436	43,596	54,318	No	No	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	23,321	50,764	60,239	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	25,635	33,696	35,247	No	No	No	Some college, no degree	Yes	No	No
27-1027	Set and Exhibit Designers	21,530	46,860	58,192	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	30,567	55,907	64,125	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	20,401	42,129	46,863	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	19,011	61,677	74,017	No	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	17,826	67,610	79,532	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	18,383	37,083	46,021	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	17,845	37,452	44,699	No	No	No	Some college, no degree	No	Yes	Yes
27-2031	Dancers	19,173	52,686	77,365	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers										
27-2041	Music Directors and Composers	17,940	62,915	73,171	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,044	85,447	119,792	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,045	24,787	28,844	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,959	56,716	69,695	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	27,425	60,363	70,019	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	31,073	54,714	69,985	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	19,129	44,243	58,757	No	No	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	54,835	75,972	93,687	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-3043	Writers and Authors	27,063	64,972	67,981	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	22,206	52,031	66,562	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,464	48,708	80,046	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	18,226	42,804	53,269	No	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	26,006	47,508	58,363	No	Yes	Yes	Associate's degree	No	No	No
27-4012	Broadcast Technicians	21,007	44,499	54,326	No	No	Yes	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	22,483	53,812	61,811	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	18,212	21,092	21,562	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	22,302	47,479	59,040	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	30,358	51,402	61,934	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	23,549	77,380	100,462	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	33,167	80,703	91,311	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	123,477	210,428	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	60,792	223,769	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	85,284	172,281	198,068	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists										
29-1029	Dentists, All Other Specialists	54,535	166,939	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	42,782	78,999	92,994	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
29-1041	Optometrists	43,061	101,367	127,678	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	107,245	128,627	141,841	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
29-1071	Physician Assistants	78,880	100,371	108,608	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	51,288	126,373	173,290	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	50,974	81,579	96,387	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	53,556	88,056	98,228	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	54,964	80,789	93,739	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	26,892	48,669	58,030	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	44,423	58,656	65,922	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	45,515	73,640	86,630	Yes	Yes	Yes	Master's degree	No	No	No
29-1128	Exercise Physiologists	33,833	51,564	63,315	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	30,243	49,060	57,421	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	71,830	101,315	122,200	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	46,211	66,379	77,803	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	129,354	168,320	173,471	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,854	64,305	94,292	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	86,526	100,372	108,758	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	42,108	70,238	79,313	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	129,677	258,479	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	115,404	246,817	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	48,546	199,677	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	118,765	233,844	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	56,021	150,713	187,803	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	44,651	191,907	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	124,535	238,783	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	49,527	233,139	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	44,727	60,215	71,044	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	20,635	64,125	77,304	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	29,834	55,185	66,674	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	24,711	53,828	68,896	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2032	Diagnostic Medical Sonographers	35,471	60,394	69,482	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	54,888	72,590	81,874	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	30,775	50,687	60,040	Yes	Yes	Yes	Associate's degree	No	No	No
29-2035	Magnetic Resonance Imaging Technologists	44,908	63,706	74,371	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	22,233	32,051	37,891	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	19,721	28,453	30,796	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	23,969	32,838	38,081	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	21,635	31,529	36,005	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	28,128	42,439	47,743	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	19,173	28,838	32,417	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	26,082	38,995	45,975	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	29,568	38,392	43,517	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
29-2081	Opticians, Dispensing	22,206	40,375	53,669	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	35,367	72,809	85,998	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	27,710	60,325	69,686	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	25,644	33,286	35,474	No	No	No	Postsecondary nondegree award	Yes	No	No
29-9091	Athletic Trainers	31,710	46,517	52,821	Yes	Yes	No	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	56,649	76,847	88,578	Yes	Yes	Yes	Master's degree	Yes	Yes	No
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	27,387	56,411	70,314	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	20,524	24,649	25,973	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,647	28,116	31,469	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	20,245	26,977	29,644	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	24,349	28,587	30,472	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	48,565	64,315	74,723	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides										
31-2021	Physical Therapist Assistants	45,561	63,684	76,047	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	18,559	26,996	30,710	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	19,768	30,743	26,177	No	No	No	Postsecondary nondegree award	No	No	No
31-9091	Dental Assistants	19,461	30,712	40,890	No	No	No	Postsecondary nondegree award	No	No	No
31-9092	Medical Assistants	26,302	31,901	35,242	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9093	Medical Equipment Preparers	25,496	34,136	39,234	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	28,153	48,678	46,681	No	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9095	Pharmacy Aides	20,502	31,034	37,081	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	20,092	28,548	33,405	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	25,235	33,053	37,271	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	21,068	39,447	51,912	No	No	No	High school diploma or equivalent	No	No	Yes
33-1011	First-Line Supervisors of Correctional Officers	32,710	45,622	47,051	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	43,296	68,666	82,020	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	41,730	55,882	62,409	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	26,041	50,829	61,198	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	23,397	35,850	40,282	No	No	No	Postsecondary nondegree award	No	No	No
33-2021	Fire Inspectors and Investigators	27,391	35,917	36,817	No	No	No	Postsecondary nondegree award	Yes	No	No
33-2022	Forest Fire Inspectors and Prevention Specialists	28,234	33,376	36,462	No	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	31,310	44,508	51,564	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	29,291	43,365	51,631	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	37,216	65,138	70,717	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	20,197	27,101	29,272	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	26,301	40,832	47,889	No	No	No	High school diploma or equivalent	Yes	No	Yes
33-3051	Police and Sheriff's Patrol Officers	35,137	50,273	55,930	Yes	Yes	Yes	Associate's degree	Yes	No	No
33-3052	Transit and Railroad Police	42,861	61,744	73,304	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	25,835	36,919	41,737	No	No	No	Postsecondary nondegree award	Yes	No	No

Workforce Region 4 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
33-9021	Private Detectives and Investigators	33,400	39,428	40,354	Yes	No	No	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	23,835	33,081	37,490	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	19,901	26,756	29,718	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	20,635	26,968	31,156	No	No	No	No formal educational credential	Yes	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	18,832	21,531	20,794	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	34,100	40,442	43,175	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	33,510	41,416	45,830	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
35-1011	Chefs and Head Cooks	23,434	48,896	64,770	No	Yes	Yes	Associate's degree	No	No	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	23,161	41,207	50,747	No	No	No	High school diploma or equivalent	No	Yes	Yes
35-2011	Cooks, Fast Food	17,674	20,969	22,702	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	19,315	25,039	29,220	No	No	No	No formal educational credential	No	No	No
35-2013	Cooks, Private Household	20,045	28,720	33,691	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	22,152	29,790	32,554	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	21,717	28,253	31,184	No	No	No	No formal educational credential	Yes	No	No
35-2019	Cooks, All Other	20,635	29,091	34,214	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	19,198	25,119	28,733	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,778	30,249	38,561	No	No	No	No formal educational credential	No	Yes	Yes
35-3023	Fast Food and Counter Workers	18,880	23,404	25,384	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,744	24,656	23,682	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	18,026	22,768	24,444	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,650	23,210	23,718	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	18,944	22,298	24,187	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	19,010	31,144	45,409	No	No	No	No formal educational credential	No	Yes	Yes
35-9099	Food Preparation and Serving Related Workers, All Other	18,638	27,814	36,931	No	No	No	No formal educational credential	No	No	Yes
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	27,978	41,929	49,561	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	39,272	55,299	62,160	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	21,092	30,298	33,652	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	20,822	27,385	30,492	No	No	No	No formal educational credential	Yes	No	No
37-2019	Building Cleaning Workers, All Other	20,550	34,757	50,222	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	24,063	35,978	40,230	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	18,614	28,759	33,341	No	No	No	No formal educational credential	No	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	28,331	34,514	38,321	No	No	No	High school diploma or equivalent	Yes	No	No
37-3013	Tree Trimmers and Pruners	21,169	34,395	43,289	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	24,930	34,129	37,747	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	34,757	53,364	62,953	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	24,359	39,514	49,627	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	20,826	37,871	43,537	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	19,607	24,393	25,086	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	17,550	23,892	26,958	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,759	26,234	29,624	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,178	33,005	34,091	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists										
39-3031	Ushers, Lobby Attendants, and Ticket Takers	18,150	24,263	26,939	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	19,426	27,546	32,401	No	No	No	No formal educational credential	No	No	Yes
39-3092	Costume Attendants	24,939	53,612	69,857	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	18,531	26,339	30,024	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,045	24,787	28,844	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	32,281	54,202	55,231	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	20,283	28,539	30,158	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	30,158	52,269	58,382	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-5011	Barbers	20,864	30,291	36,043	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,012	27,096	30,966	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	34,671	67,296	77,646	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	19,312	25,749	28,358	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	18,340	25,073	28,929	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,793	36,933	54,045	No	No	Yes	Postsecondary nondegree award	No	No	Yes
39-6011	Baggage Porters and Bellhops	17,931	23,778	27,130	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	20,054	27,625	30,672	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	21,016	31,158	34,167	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,041	23,271	25,146	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	18,264	36,633	46,413	No	No	No	Postsecondary nondegree award	No	No	Yes
39-9032	Recreation Workers	22,542	32,159	38,062	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	18,922	24,916	25,264	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	17,940	26,872	29,748	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	28,871	45,964	55,969	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	28,523	73,788	93,613	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,365	24,865	28,504	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,083	27,253	33,691	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	26,352	37,455	40,800	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	19,462	32,867	39,426	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	21,436	32,899	34,701	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	18,929	47,900	52,133	No	Yes	No	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	32,367	65,694	71,924	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	37,017	74,125	61,468	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	18,819	29,514	32,740	No	No	No	Some college, no degree	No	No	No

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41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	21,146	59,356	70,997	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	20,708	71,760	119,451	No	Yes	Yes	Bachelor's degree	No	No	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	26,489	62,454	75,748	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,712	37,366	46,994	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models										
41-9021	Real Estate Brokers	34,394	37,939	40,936	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
41-9022	Real Estate Sales Agents	24,356	57,040	72,531	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	53,431	106,338	137,324	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	18,750	26,482	29,129	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,902	26,254	28,520	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	19,378	34,386	37,081	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	34,457	52,363	62,743	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	23,385	28,780	30,847	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	22,978	29,910	31,072	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	28,120	38,918	46,013	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	18,753	29,715	37,633	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	25,861	34,113	38,544	No	No	No	High school diploma or equivalent	No	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	21,592	40,911	47,858	No	No	No	Some college, no degree	No	Yes	Yes
43-3041	Gambling Cage Workers	18,893	26,625	30,091	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	19,596	33,405	36,709	No	No	No	Some college, no degree	No	No	No
43-3061	Procurement Clerks	27,560	41,791	49,014	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	25,170	31,911	36,152	No	No	No	High school diploma or equivalent	No	No	No
43-3099	Financial Clerks, All Other	29,177	44,603	52,145	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	33,635	46,201	53,131	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks										
43-4031	Court, Municipal, and License Clerks	29,385	41,449	47,818	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	27,101	41,251	47,327	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	21,548	30,497	35,806	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	25,539	34,519	41,175	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	18,805	32,412	38,696	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	21,617	27,218	30,175	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	25,377	31,109	33,206	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	19,083	27,072	30,263	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	34,743	50,530	60,805	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	28,368	38,757	44,080	No	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	21,997	33,443	37,909	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	27,361	37,825	45,403	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	19,193	27,425	31,045	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	22,606	40,118	55,488	No	No	Yes	High school diploma or equivalent	No	No	Yes
43-4199	Information and Record Clerks, All Other	32,254	46,332	53,216	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
43-5011	Cargo and Freight Agents	29,189	46,212	59,750	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	25,989	28,950	30,796	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	26,621	34,156	37,063	No	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	28,748	42,093	55,301	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5041	Meter Readers, Utilities	28,121	36,386	40,697	No	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,760	52,759	64,253	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,061	52,465	65,032	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	32,795	49,146	59,973	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	28,830	47,577	56,834	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	26,291	34,569	39,180	No	No	No	High school diploma or equivalent	Yes	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	25,263	34,938	39,661	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	27,668	43,578	51,189	No	No	No	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	25,417	32,065	34,081	No	No	No	Some college, no degree	Yes	No	No
43-6013	Medical Secretaries and Administrative Assistants	26,233	33,330	37,508	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	24,325	35,770	42,159	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	22,490	32,910	36,801	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	19,340	31,281	37,338	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	27,396	50,393	55,069	No	Yes	Yes	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	36,520	58,016	76,543	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	19,597	30,129	35,462	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	21,624	34,320	39,219	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	19,388	31,796	36,957	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	25,339	40,309	53,440	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	31,234	52,669	64,534	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	24,713	39,767	48,363	No	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	29,805	53,097	58,459	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	19,531	35,528	44,946	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders										
45-2041	Graders and Sorters, Agricultural Products	24,416	32,281	36,243	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	22,073	31,948	36,519	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	18,083	23,425	24,340	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	19,978	30,701	39,347	No	No	No	No formal educational credential	No	Yes	Yes

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45-2099	Agricultural Workers, All Other	18,721	27,615	27,901	No	No	No	No formal educational credential	No	No	No
45-3031	Fishing and Hunting Workers	19,978	30,701	39,347	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	34,510	39,404	42,813	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	26,111	35,767	39,223	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	17,893	34,519	43,956	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	21,987	31,738	36,957	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,788	45,127	56,840	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	35,233	55,075	64,400	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	33,395	49,422	57,992	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	21,598	32,329	39,490	No	No	No	High school diploma or equivalent	No	No	No
47-2022	Stonemasons	31,339	37,661	41,499	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	32,389	44,108	50,283	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	26,282	36,636	40,520	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,873	38,090	49,612	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	24,911	34,091	38,938	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	24,997	37,404	43,508	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	26,384	37,461	43,127	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	32,396	42,651	47,965	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	19,262	30,177	34,418	No	No	No	No formal educational credential	No	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	25,463	35,767	38,509	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	32,062	48,231	57,459	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	26,431	36,801	42,872	No	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	22,939	28,795	30,929	No	No	No	No formal educational credential	Yes	Yes	No
47-2082	Tapers	18,007	39,157	47,984	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	32,191	45,549	53,834	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	26,743	39,706	46,863	No	No	No	High school diploma or equivalent	Yes	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	26,139	37,509	44,099	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	27,863	37,985	43,937	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	22,847	33,997	38,746	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	31,443	45,594	58,363	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	27,714	37,103	41,493	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	32,556	42,779	49,554	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	23,912	37,766	41,067	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	30,120	43,299	49,793	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	27,041	36,592	40,895	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	28,919	43,813	53,506	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	31,406	50,755	57,395	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	24,292	34,386	38,461	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	21,149	29,044	34,014	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	21,302	30,929	36,176	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	25,225	30,651	34,071	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	19,712	26,882	31,320	No	No	No	No formal educational credential	No	No	No
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	22,415	29,063	31,015	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	23,521	32,567	37,281	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	21,512	32,535	42,133	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	30,961	51,333	61,813	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	39,452	73,952	93,111	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	24,501	36,652	45,022	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	25,730	37,900	44,946	No	No	No	High school diploma or equivalent	No	No	No
47-4051	Highway Maintenance Workers	27,563	35,343	39,870	No	No	No	High school diploma or equivalent	Yes	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	32,615	45,851	52,574	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	24,559	36,443	39,347	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	26,933	35,792	39,405	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	22,568	32,662	38,195	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	32,729	43,108	48,793	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	23,749	51,621	66,724	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	24,949	39,280	45,537	No	No	No	High school diploma or equivalent	No	No	No
47-5041	Continuous Mining Machine Operators	34,567	55,011	65,629	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining										
47-5051	Rock Splitters, Quarry	29,206	35,709	37,900	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	32,729	43,108	48,793	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	22,568	32,662	38,195	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	25,197	43,670	50,774	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	33,967	54,078	69,352	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	35,879	63,241	78,644	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	31,689	41,316	47,872	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	29,853	54,992	70,152	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	42,392	55,034	66,081	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	32,443	56,097	68,162	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	26,958	41,299	48,869	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	32,205	52,450	66,067	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	33,414	52,269	61,572	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	40,433	68,372	86,826	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	24,320	36,233	43,232	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	23,111	41,899	53,183	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	27,015	43,070	52,193	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	32,710	64,867	84,407	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	29,818	43,724	48,978	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	20,835	35,709	41,175	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	24,316	46,966	58,878	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	30,067	39,212	41,857	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-3041	Farm Equipment Mechanics and Service Technicians	25,311	40,480	49,079	No	No	No	High school diploma or equivalent	No	No	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	33,772	47,076	53,985	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	34,833	53,421	60,592	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	30,242	54,001	68,277	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	24,435	35,119	41,337	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	22,064	35,043	41,823	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	21,283	28,653	32,596	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	26,063	45,737	57,763	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-3093	Tire Repairers and Changers	20,083	29,872	35,309	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	23,168	38,395	45,165	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	27,253	38,157	40,162	No	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	29,967	40,531	46,536	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	25,216	38,623	46,175	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9041	Industrial Machinery Mechanics	37,740	51,711	60,562	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	19,177	35,468	48,724	No	No	No	High school diploma or equivalent	No	No	Yes
49-9044	Millwrights	30,624	47,784	58,925	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	34,557	45,067	53,979	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	29,063	43,823	49,812	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	18,521	39,556	52,364	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	23,713	43,509	49,171	No	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	22,616	33,633	38,338	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,892	41,718	51,812	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	36,547	54,174	62,087	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	25,491	36,235	40,173	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	42,889	70,228	85,322	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18,616	29,367	35,509	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	32,319	47,955	48,708	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	24,958	39,109	48,127	No	No	No	High school diploma or equivalent	No	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	20,340	27,996	30,596	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	31,053	46,879	56,754	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	37,814	63,153	76,028	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	21,139	28,644	31,294	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	26,584	52,319	67,034	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-1011	First-Line Supervisors of Production and Operating Workers	39,837	65,415	80,268	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	18,350	39,347	50,841	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	17,874	34,138	47,632	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	31,092	36,767	39,282	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2031	Engine and Other Machine Assemblers	24,387	28,891	30,310	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	24,482	34,776	39,766	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	24,759	34,300	38,185	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	22,247	34,750	40,212	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	18,693	24,802	30,544	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	20,541	36,175	43,486	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	19,490	27,997	35,708	No	No	No	No formal educational credential	No	No	Yes
51-3023	Slaughterers and Meat Packers	21,349	27,263	29,929	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	24,416	32,281	36,243	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,883	28,977	33,491	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	18,550	26,768	31,081	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,188	26,063	29,234	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	24,587	33,938	38,538	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	25,206	34,043	37,671	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	25,377	34,919	40,842	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	25,158	31,342	32,762	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	31,929	52,517	64,125	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,140	31,234	36,385	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,987	36,309	42,689	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	32,215	42,432	48,155	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

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51-4041	Machinists	18,916	38,918	53,212	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	29,253	40,433	47,022	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	25,016	39,490	47,336	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	31,929	52,517	64,125	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic										
51-4071	Foundry Mold and Coremakers										
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	20,207	32,005	37,595	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24,406	34,548	37,928	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	28,501	50,803	59,982	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	26,834	42,801	51,032	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	24,044	33,967	39,004	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	21,359	33,243	38,233	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	27,368	43,670	54,326	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	27,234	37,090	40,147	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,073	34,291	37,995	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	20,292	32,643	37,109	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	21,768	36,881	44,032	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	21,548	30,653	35,064	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	19,978	30,367	36,595	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	19,047	22,785	24,541	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	18,236	23,302	26,454	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	18,302	26,663	30,186	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	18,864	29,520	35,528	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,159	28,434	34,310	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,188	27,177	32,377	No	No	No	No formal educational credential	No	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	19,074	28,301	33,081	No	No	No	No formal educational credential	No	No	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	24,568	29,624	33,691	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20,169	29,891	35,081	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders										
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,073	43,089	67,076	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	36,300	65,629	78,189	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	17,931	28,196	29,996	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	22,968	37,157	44,118	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,817	26,244	32,062	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	23,892	35,662	42,280	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	18,959	35,157	43,575	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	20,721	29,310	32,596	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	20,226	31,367	37,262	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	21,749	38,890	54,135	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	67,067	91,702	103,938	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	48,412	77,494	97,149	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	42,889	70,228	85,322	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	37,185	55,516	62,658	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	29,335	43,445	50,868	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	30,348	49,488	60,239	Yes	Yes	Yes	Associate's degree	No	No	No
51-8092	Gas Plant Operators	31,519	45,670	54,859	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	28,948	48,850	56,859	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	37,319	57,049	61,106	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	25,482	42,585	53,859	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	23,502	36,547	44,023	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	22,759	34,310	39,528	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,959	31,958	36,214	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	24,273	34,824	38,918	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	19,997	33,757	40,233	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	22,321	33,224	39,014	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,711	32,367	36,766	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,921	31,386	36,128	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	26,086	63,405	65,747	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	19,479	48,391	69,153	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	21,064	40,347	49,327	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	24,359	43,946	51,641	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	21,016	32,643	36,843	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	19,964	28,641	31,373	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,778	31,281	40,337	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	21,619	43,294	46,611	No	No	No	High school diploma or equivalent	No	Yes	No
51-9141	Semiconductor Processing Technicians										

Workforce Region 4 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-9151	Photographic Process Workers and Processing Machine Operators	23,035	40,023	47,965	No	No	No	High school diploma or equivalent	No	No	Yes
51-9161	Computer Numerically Controlled Tool Operators	25,206	37,823	44,870	No	No	No	Postsecondary nondegree award	No	No	Yes
51-9162	Computer Numerically Controlled Tool Programmers	33,805	51,840	60,830	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders										
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,797	33,043	37,957	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	20,673	35,376	43,708	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,798	25,444	31,624	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	22,806	32,329	36,671	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	24,501	35,052	39,442	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders										
51-9198	Helpers--Production Workers	19,231	27,043	30,675	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	19,169	29,824	33,757	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	33,138	60,611	75,237	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	33,604	47,520	52,497	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	93,492	218,760	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	38,633	97,137	105,967	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	66,191	116,793	144,742	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	24,206	44,403	57,525	No	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	29,329	55,459	64,058	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,873	27,787	30,158	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,521	30,495	38,242	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	28,884	47,312	57,564	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	21,025	33,859	39,942	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	22,959	35,033	40,661	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19,415	30,408	36,342	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	19,140	29,186	34,919	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	50,993	64,029	70,533	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	51,460	64,658	73,599	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	33,100	54,078	64,648	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	51,460	64,658	73,599	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	21,321	40,175	56,621	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	27,587	52,707	68,800	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	22,702	39,185	46,432	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	21,771	47,365	62,382	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	18,940	37,927	52,296	No	No	No	Postsecondary nondegree award	No	No	Yes
53-5031	Ship Engineers	31,329	69,886	85,607	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	24,463	38,033	46,698	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	18,150	23,521	27,015	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	23,167	29,144	31,086	No	No	No	No formal educational credential	Yes	Yes	No
53-6041	Traffic Technicians	27,434	45,584	52,907	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	50,117	88,064	116,632	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,902	23,416	25,244	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	21,473	31,615	37,043	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,055	32,348	38,804	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	34,091	58,144	70,676	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	32,510	45,879	53,269	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	25,692	39,576	41,594	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	24,529	32,690	33,843	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	20,389	26,394	29,055	No	No	No	No formal educational credential	Yes	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	20,451	28,486	31,785	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	19,055	30,920	36,957	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	20,910	24,704	26,060	No	No	No	No formal educational credential	Yes	No	No
53-7065	Stockers and Order Fillers	20,280	28,790	31,929	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	19,331	38,785	46,203	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	22,355	31,096	36,100	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,055	32,348	38,804	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	21,654	40,575	51,621	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 5 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
11-1011	Chief Executives	54,491	162,252	212,745	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1021	General and Operations Managers	41,476	94,966	116,714	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	18,697	40,680	39,096	No	No	No	Bachelor's degree	No	No	No
11-2011	Advertising and Promotions Managers	44,918	102,433	118,954	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	55,383	97,910	107,437	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	54,430	127,314	153,923	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	60,831	111,635	123,765	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	48,438	83,235	101,391	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	77,680	119,561	139,818	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	52,833	98,664	110,662	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	63,582	111,303	132,815	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	62,649	88,204	102,110	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	45,441	83,706	97,716	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	50,869	100,302	119,244	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	44,407	72,480	86,190	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	47,020	73,856	91,431	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	34,209	73,546	77,970	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-9021	Construction Managers	52,709	108,686	140,804	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	25,148	41,493	48,074	No	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	34,213	59,097	77,507	Yes	Yes	Yes	Master's degree	No	No	Yes
11-9033	Education Administrators, Postsecondary	42,019	91,251	110,832	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	43,175	72,957	82,455	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9041	Architectural and Engineering Managers	85,697	137,324	162,804	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	28,861	53,571	60,139	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	42,641	81,469	89,595	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	33,539	50,916	61,681	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	59,786	104,493	105,435	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	51,693	73,386	85,970	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	66,410	81,811	90,252	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	33,964	62,653	78,939	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
11-9151	Social and Community Service Managers	46,489	76,772	92,663	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9161	Emergency Management Directors	44,779	76,656	92,825	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	38,994	75,832	92,788	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	55,214	92,150	109,490	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	31,580	79,192	95,232	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	33,184	48,844	55,266	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	34,569	59,492	76,325	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	45,390	63,614	74,592	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	27,252	47,483	41,966	No	No	No	Bachelor's degree	No	No	No
13-1051	Cost Estimators	42,480	71,996	93,226	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1071	Human Resources Specialists	34,988	52,825	60,644	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	19,743	43,025	60,195	No	No	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	29,794	50,897	52,449	Yes	Yes	No	Bachelor's degree	No	No	No
13-1111	Management Analysts	39,187	57,707	61,290	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1121	Meeting, Convention, and Event Planners	33,231	48,627	53,541	Yes	Yes	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	35,101	64,692	71,678	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	27,924	38,413	42,543	No	No	No	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	23,484	49,249	57,889	No	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	32,076	60,909	76,036	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	34,072	71,726	84,146	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2011	Accountants and Auditors	31,163	56,703	64,170	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	42,751	53,295	54,670	Yes	Yes	No	Bachelor's degree	Yes	No	No
13-2031	Budget Analysts	45,623	64,690	75,324	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	53,951	96,501	123,161	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	40,810	146,345	117,001	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2053	Insurance Underwriters	33,154	53,834	64,540	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	35,488	45,900	50,392	Yes	No	No	Bachelor's degree	No	No	No
13-2071	Credit Counselors	26,833	39,767	41,741	No	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	25,995	78,940	97,346	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,325	36,224	38,223	No	No	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	18,754	38,016	48,326	No	No	No	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	34,580	58,307	67,014	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	41,827	60,601	68,671	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1212	Information Security Analysts	34,861	77,303	103,141	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1221	Computer and Information Research Scientists	67,631	111,041	129,719	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	30,264	49,078	60,886	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
15-1232	Computer User Support Specialists	23,269	45,277	56,722	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
15-1241	Computer Network Architects	56,805	86,297	102,592	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	36,612	64,586	77,729	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-1245	Database Administrators and Architects	46,686	74,990	84,743	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	40,442	64,361	74,925	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	44,693	99,640	112,959	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	31,522	55,074	68,522	Yes	Yes	Yes	Associate's degree	No	Yes	Yes

Workforce Region 5 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
15-1299	Computer Occupations, All Other	19,886	44,281	51,962	No	No	No	Bachelor's degree	No	No	No
15-2011	Actuaries	33,038	95,348	131,119	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2021	Mathematicians	65,188	97,722	110,513	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	31,202	40,044	41,815	Yes	No	No	Bachelor's degree	No	No	No
15-2041	Statisticians	27,314	66,900	88,207	No	Yes	Yes	Master's degree	No	Yes	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	37,437	91,591	123,726	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-1011	Architects, Except Landscape and Naval	33,412	68,041	78,642	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-1012	Landscape Architects	43,028	64,668	76,192	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1021	Cartographers and Photogrammetrists	43,526	62,362	71,642	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	32,832	63,013	71,940	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	61,791	101,387	120,852	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	40,475	74,666	92,326	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	57,700	84,347	101,267	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	46,316	90,419	114,336	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	55,946	93,041	110,718	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	46,124	83,644	99,501	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	62,542	92,104	108,418	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	61,486	94,732	110,513	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	37,137	70,602	93,717	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	43,557	77,304	95,861	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	45,976	101,849	131,464	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	44,862	74,333	88,864	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	47,167	89,012	108,486	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	60,296	91,119	103,201	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	68,039	109,347	133,847	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	79,673	100,489	113,503	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	68,483	148,748	182,883	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	56,585	76,915	87,195	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	41,498	58,441	64,112	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	21,649	48,361	60,023	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	39,497	65,168	69,867	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	31,053	51,082	58,894	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	37,689	63,550	81,968	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	28,022	44,810	56,811	No	No	Yes	Associate's degree	No	No	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	34,537	52,038	70,917	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	30,720	49,185	57,080	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	25,129	40,475	48,454	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	31,784	50,740	60,245	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	29,054	51,212	66,021	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	28,084	49,235	59,476	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	36,847	53,317	61,471	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	38,485	59,968	71,787	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	29,711	53,840	67,761	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	29,470	66,882	90,771	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1021	Biochemists and Biophysicists	40,818	73,944	84,208	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	33,515	58,135	70,973	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	36,148	49,831	52,372	Yes	Yes	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	34,232	54,985	64,453	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	31,312	64,392	80,478	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1032	Foresters	40,222	59,532	68,268	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1041	Epidemiologists	30,461	51,119	63,651	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	38,365	81,385	96,555	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	46,667	96,546	121,083	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	79,294	135,300	153,626	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	79,294	135,300	153,626	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	54,794	91,622	107,690	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	33,047	49,131	52,837	Yes	Yes	No	Bachelor's degree	No	No	No
19-2032	Materials Scientists	45,973	95,519	124,211	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	34,463	48,075	50,902	Yes	Yes	No	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	48,000	83,810	106,478	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	43,418	88,623	104,145	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	43,946	108,449	126,951	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	48,953	87,355	98,527	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	27,314	66,900	88,207	No	Yes	Yes	Master's degree	No	Yes	Yes
19-3031	Clinical, Counseling, and School Psychologists	37,893	64,888	76,142	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	27,314	66,900	88,207	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	69,409	114,145	118,621	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-3041	Sociologists	49,092	70,121	85,060	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3051	Urban and Regional Planners	34,373	56,936	64,305	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	30,461	51,119	63,651	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	59,246	77,803	90,058	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	23,111	54,229	79,636	No	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists	57,987	92,215	106,302	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	43,637	67,829	83,208	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	17,854	33,765	40,892	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	25,722	41,169	51,128	No	No	No	Bachelor's degree	No	No	No

Workforce Region 5 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
19-4031	Chemical Technicians	29,035	47,176	56,895	No	No	Yes	Associate's degree	No	No	Yes
19-4042	Environmental Science and Protection Technicians, Including Health	26,420	34,975	38,067	No	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	24,361	43,095	52,184	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	65,188	89,132	101,026	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	24,953	49,786	57,728	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	28,896	43,511	52,026	No	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	28,589	48,625	61,512	No	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	25,517	45,648	57,448	No	No	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	28,595	53,947	68,357	No	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	25,018	46,510	60,301	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	26,124	46,605	56,823	No	No	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	27,730	39,300	46,241	No	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	26,082	31,067	32,782	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	24,207	43,423	55,778	No	No	Yes	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	31,312	39,666	44,969	Yes	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	27,202	42,055	49,498	No	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	30,961	47,197	56,642	Yes	No	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	33,211	42,532	48,887	Yes	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	32,312	48,842	61,763	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	32,420	49,147	52,085	Yes	Yes	No	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	29,081	37,263	41,280	No	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	20,470	29,825	35,446	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	22,970	34,883	39,259	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	30,342	47,979	55,917	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-2011	Clergy	31,514	45,664	50,487	Yes	No	No	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	23,713	43,326	52,193	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	18,169	40,262	53,378	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	47,999	101,888	114,971	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	28,063	47,528	53,766	No	No	No	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	35,958	94,936	116,261	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
23-1022	Arbitrators, Mediators, and Conciliators	23,639	65,975	93,325	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	135,198	173,804	158,550	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	29,617	47,132	56,597	Yes	No	Yes	Associate's degree	No	No	Yes
23-2093	Title Examiners, Abstractors, and Searchers	29,513	48,151	59,013	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	27,314	53,273	57,479	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	55,071	101,044	118,834	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
25-1021	Computer Science Teachers, Postsecondary	43,215	91,483	114,502	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	46,574	85,721	107,985	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	24,546	83,940	104,747	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	50,129	102,461	125,507	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1041	Agricultural Sciences Teachers, Postsecondary	51,314	96,787	117,807	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1042	Biological Science Teachers, Postsecondary	39,189	83,366	102,081	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	63,901	104,728	123,175	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	44,196	88,077	109,115	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	48,463	81,506	96,269	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	21,686	69,640	81,746	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	45,196	87,689	110,800	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	53,905	86,161	97,361	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	40,179	74,425	90,400	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	55,071	101,044	118,834	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
25-1064	Geography Teachers, Postsecondary	48,611	80,913	95,306	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	49,046	87,189	98,231	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	38,874	75,527	90,113	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	39,837	75,203	91,696	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	56,544	94,283	112,517	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1071	Health Specialties Teachers, Postsecondary	53,193	107,968	115,187	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	53,193	107,968	115,187	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	39,290	63,346	75,175	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	40,623	65,725	77,461	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	51,712	96,353	116,787	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1112	Law Teachers, Postsecondary	79,502	164,593	211,944	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	34,135	69,196	81,450	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	30,923	91,715	104,904	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	54,190	81,400	91,564	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1123	English Language and Literature Teachers, Postsecondary	28,933	71,056	98,425	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	43,807	79,608	102,599	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	26,990	77,091	88,651	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	41,789	86,670	101,915	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	39,290	63,346	75,175	Yes	Yes	Yes	Master's degree	No	No	Yes
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	30,886	62,217	75,452	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	31,138	57,396	67,138	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	21,927	40,302	50,350	No	No	No	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	21,109	36,261	46,731	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	33,145	53,609	63,975	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	32,962	46,976	54,794	Yes	No	No	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	35,926	49,815	57,004	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	27,739	54,646	69,797	No	Yes	Yes	Bachelor's degree	No	No	No

Workforce Region 5 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	35,502	51,327	60,217	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	42,248	55,766	64,856	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	29,665	57,570	73,231	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	37,884	59,190	71,482	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2057	Special Education Teachers, Middle School	37,967	55,192	64,781	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	38,670	58,366	69,918	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	25,934	47,972	58,320	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	38,344	57,334	65,670	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-3021	Self-Enrichment Teachers	21,687	40,118	50,192	No	No	No	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	20,976	26,617	29,099	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	35,290	55,051	64,498	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	25,296	40,309	46,954	No	No	No	Master's degree	No	No	No
25-4012	Curators	36,283	44,716	47,994	Yes	No	No	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	27,450	41,499	50,420	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	35,500	52,397	61,144	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	25,136	32,847	34,345	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	28,091	50,878	63,163	No	Yes	Yes	Master's degree	No	No	No
25-9031	Instructional Coordinators	34,486	51,564	59,243	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	17,715	35,292	45,538	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	21,011	27,056	30,185	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	33,496	54,110	63,049	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	32,621	91,666	98,195	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-1012	Craft Artists	16,975	30,340	36,430	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	17,789	43,891	58,764	No	No	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	35,751	52,431	61,458	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1019	Artists and Related Workers, All Other	28,119	79,321	96,972	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	36,912	62,559	73,046	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	29,979	57,913	66,974	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	27,512	33,726	37,807	No	No	No	High school diploma or equivalent	Yes	No	No
27-1024	Graphic Designers	29,931	47,844	55,503	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	31,323	46,482	48,746	Yes	No	No	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	23,186	32,161	33,876	No	No	No	Some college, no degree	Yes	No	No
27-1027	Set and Exhibit Designers	20,927	45,547	56,562	No	No	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	33,022	51,056	60,067	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	19,829	40,949	45,550	No	No	No	Some college, no degree	No	Yes	No
27-2012	Producers and Directors	19,685	55,726	68,398	No	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	17,327	65,715	77,304	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	22,188	73,148	84,673	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-2023	Umpires, Referees, and Other Sports Officials	17,345	36,403	43,446	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	18,636	51,210	75,198	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	17,095	36,032	54,720	No	No	No	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	17,438	61,152	71,121	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	17,538	83,053	116,435	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	17,540	24,093	28,036	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,428	55,127	67,742	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	31,268	54,803	68,043	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	30,618	69,619	84,083	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-3041	Editors	32,958	48,092	53,539	Yes	Yes	No	Bachelor's degree	No	No	No
27-3042	Technical Writers	28,742	57,600	83,268	No	Yes	Yes	Bachelor's degree	No	No	Yes
27-3043	Writers and Authors	18,729	66,439	79,149	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-3091	Interpreters and Translators	27,435	40,452	47,710	No	No	No	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	17,947	47,343	77,803	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	34,639	53,150	62,396	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
27-4011	Audio and Video Technicians	19,538	39,157	50,953	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	28,229	42,145	48,780	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	21,853	52,304	60,079	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	18,363	25,924	28,709	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	21,677	46,149	57,385	No	No	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	29,507	49,962	60,199	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	22,889	75,212	97,648	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	32,238	78,442	88,753	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	118,496	163,797	189,928	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	59,088	217,500	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1023	Orthodontists	82,894	167,454	192,519	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists										
29-1029	Dentists, All Other Specialists	53,007	162,262	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1031	Dietitians and Nutritionists	27,497	50,623	60,849	No	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	71,298	129,820	132,548	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1051	Pharmacists	63,320	109,521	129,356	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1071	Physician Assistants	90,719	127,635	154,970	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	49,851	122,832	168,435	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1122	Occupational Therapists	62,976	82,905	94,459	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	38,379	85,263	102,121	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	53,424	78,525	91,113	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 5 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
29-1125	Recreational Therapists	26,138	47,306	56,404	No	No	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	37,635	56,590	64,297	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	37,076	64,099	83,371	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-1128	Exercise Physiologists	32,886	50,120	61,541	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	29,396	47,685	55,812	Yes	No	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	85,530	99,945	109,884	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	46,060	66,087	74,250	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	125,729	163,604	168,611	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,270	62,504	91,650	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	83,409	106,741	122,811	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	42,675	62,554	74,110	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	126,044	251,237	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	166,862	252,375	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	47,186	194,083	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	115,437	227,292	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	54,451	146,490	182,541	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1223	Psychiatrists	50,778	184,647	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	58,540	208,131	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	48,139	298,360	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	44,620	56,969	63,122	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	20,057	62,328	75,138	No	Yes	Yes	Master's degree	No	No	Yes
29-2010	Clinical Laboratory Technologists and Technicians	28,678	52,559	67,772	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	22,821	38,073	47,521	No	No	No	Associate's degree	No	No	No
29-2032	Diagnostic Medical Sonographers	57,548	90,315	80,942	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	53,350	70,556	79,581	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	42,869	62,530	65,750	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	43,650	61,921	72,287	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	20,807	33,274	37,828	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	20,957	25,432	27,559	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	22,390	30,770	35,552	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	20,511	24,862	25,214	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	19,557	36,332	45,565	No	No	No	Postsecondary nondegree award	No	No	Yes
29-2056	Veterinary Technologists and Technicians	21,701	28,183	30,669	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	22,361	31,429	37,030	No	No	No	Postsecondary nondegree award	No	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	33,928	43,340	48,336	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	21,584	39,244	52,165	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	34,376	70,769	83,588	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-2092	Hearing Aid Specialists	26,934	58,635	67,733	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	25,563	39,683	46,130	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	37,008	59,783	68,026	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	55,062	74,693	86,097	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	26,581	53,225	72,407	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	19,658	26,690	25,891	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	19,575	26,125	29,221	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	19,678	26,221	28,813	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	23,667	27,786	29,618	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	35,867	56,264	69,341	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	18,039	26,240	29,850	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	43,757	61,981	74,854	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	21,357	26,698	30,089	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	18,299	37,513	46,325	No	No	No	Postsecondary nondegree award	No	No	Yes
31-9091	Dental Assistants	24,871	39,125	47,646	No	No	No	Postsecondary nondegree award	No	Yes	Yes
31-9092	Medical Assistants	24,288	33,120	37,703	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	22,362	31,617	36,264	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	26,872	34,284	38,980	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9095	Pharmacy Aides	19,928	30,164	36,042	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	19,530	27,749	32,469	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	27,229	35,152	39,522	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9099	Healthcare Support Workers, All Other	26,817	41,328	52,897	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-1011	First-Line Supervisors of Correctional Officers	34,481	45,231	47,243	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	58,911	87,348	102,124	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	36,248	59,627	76,070	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	22,430	41,798	50,819	No	No	No	Some college, no degree	No	Yes	Yes
33-2011	Firefighters	26,872	41,076	41,798	No	No	No	Postsecondary nondegree award	Yes	Yes	No
33-2021	Fire Inspectors and Investigators	40,651	57,330	61,680	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	27,443	32,441	35,440	No	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	25,509	39,049	47,050	No	No	No	High school diploma or equivalent	No	No	No
33-3012	Correctional Officers and Jailers	30,750	40,234	43,578	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	28,468	53,865	62,498	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	19,631	26,342	28,452	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	25,564	39,688	46,547	No	No	No	High school diploma or equivalent	No	No	No
33-3051	Police and Sheriff's Patrol Officers	36,903	56,514	75,783	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	41,660	60,014	71,250	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	27,657	38,421	40,438	No	No	No	Postsecondary nondegree award	Yes	Yes	No

Workforce Region 5 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
33-9021	Private Detectives and Investigators	27,760	50,621	67,492	No	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	23,167	32,154	36,440	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	20,142	28,959	32,345	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	19,252	26,027	29,035	No	No	No	No formal educational credential	No	No	Yes
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	17,975	26,684	29,313	No	No	No	No formal educational credential	No	Yes	Yes
33-9093	Transportation Security Screeners	35,799	42,915	46,502	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	19,178	32,339	37,180	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	19,418	51,118	67,057	No	Yes	Yes	Associate's degree	No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	23,487	35,203	40,243	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,370	22,143	24,343	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	20,554	25,616	27,906	No	No	No	No formal educational credential	Yes	No	No
35-2013	Cooks, Private Household	19,483	27,915	32,747	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	19,319	28,185	32,432	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	18,436	24,006	27,353	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	21,605	31,709	38,435	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	19,064	24,741	27,798	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,706	24,625	25,660	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,658	21,721	23,320	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,706	25,159	25,340	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	19,060	24,889	26,200	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,500	20,863	21,369	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	19,068	23,282	25,561	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,582	22,118	24,128	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	17,512	25,453	28,452	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	25,109	40,658	48,345	No	No	No	High school diploma or equivalent	No	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	19,466	43,583	57,219	No	No	Yes	Some college, no degree	No	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,167	26,553	29,535	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	18,769	22,487	24,463	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	19,974	33,783	48,815	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	25,058	38,987	43,506	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	19,717	28,207	32,711	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	20,946	31,497	36,430	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	20,575	33,432	42,076	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	24,231	33,172	36,690	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	33,783	51,869	61,189	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	27,771	41,907	49,027	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	20,242	36,810	42,317	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	18,960	24,709	29,526	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	17,058	23,223	26,203	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,234	25,499	28,794	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	18,641	32,080	33,135	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	17,651	27,693	30,349	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	21,033	26,958	28,616	No	No	No	No formal educational credential	Yes	Yes	No
39-3091	Amusement and Recreation Attendants	18,922	24,184	26,045	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	24,241	52,110	67,900	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	18,012	25,601	29,183	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	17,540	24,093	28,036	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	31,377	52,683	53,683	Yes	Yes	No	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	19,715	27,739	29,313	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	29,313	50,805	56,747	No	Yes	Yes	Associate's degree	No	Yes	Yes
39-5011	Barbers	20,279	29,442	35,033	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	18,913	28,988	32,250	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	33,700	65,410	75,471	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	18,876	30,520	33,005	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	17,826	24,370	28,119	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	27,342	41,902	48,862	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
39-6011	Baggage Porters and Bellhops	17,428	23,111	26,369	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	19,493	26,851	29,813	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	20,427	30,285	33,209	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,186	24,723	25,701	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	19,102	34,867	47,937	No	No	No	Postsecondary nondegree award	No	No	Yes
39-9032	Recreation Workers	20,136	26,119	25,035	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	19,691	27,791	31,386	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	17,438	26,120	28,915	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	28,609	47,083	57,526	No	No	Yes	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	42,256	71,813	91,629	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,078	23,061	24,999	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	17,577	26,490	32,747	No	No	No	No formal educational credential	No	Yes	Yes
41-2021	Counter and Rental Clerks	19,382	26,160	29,493	No	No	No	No formal educational credential	No	No	Yes
41-2022	Parts Salespersons	19,761	30,611	36,315	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,387	29,048	32,214	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	20,462	46,304	52,708	No	No	No	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	33,553	60,763	67,065	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	31,554	88,834	87,407	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-3041	Travel Agents	25,065	39,400	47,347	No	No	No	Some college, no degree	Yes	Yes	Yes

Workforce Region 5 Wages by Detailed Occupation

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41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	29,371	63,756	78,109	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	43,255	79,101	90,401	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	33,059	57,648	67,102	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,159	36,319	45,677	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models	19,159	36,319	45,677	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	24,750	61,847	64,383	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	26,842	55,881	88,009	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9031	Sales Engineers	51,934	103,358	133,476	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	19,516	30,752	35,915	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,401	25,518	27,721	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	19,514	26,776	29,763	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	32,791	61,976	68,595	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	20,951	25,073	28,000	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	22,334	29,072	30,201	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	27,332	37,828	44,724	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	20,678	33,418	39,260	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	27,470	39,012	45,184	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	24,840	40,512	47,722	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	18,363	25,879	29,248	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	20,070	40,331	52,174	No	No	No	Some college, no degree	No	Yes	Yes
43-3061	Procurement Clerks	25,374	42,191	51,901	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	23,768	30,423	32,373	No	No	No	High school diploma or equivalent	No	No	No
43-3099	Financial Clerks, All Other	28,359	43,354	50,684	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	32,809	46,547	54,260	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	27,101	38,754	45,066	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	27,711	35,289	39,402	No	No	No	Some college, no degree	Yes	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	26,342	40,096	46,001	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	20,727	33,401	39,056	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	25,369	31,420	31,293	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	22,480	28,085	30,716	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	18,886	23,264	25,195	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	27,962	41,625	49,854	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4121	Library Assistants, Clerical	18,964	28,085	32,598	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	28,022	43,565	52,216	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	27,573	37,671	42,845	No	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	21,291	46,571	59,370	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	25,506	33,160	38,006	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	19,307	27,216	30,949	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	21,973	38,994	53,933	No	No	No	High school diploma or equivalent	No	No	Yes
43-4199	Information and Record Clerks, All Other	28,672	41,497	49,099	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5011	Cargo and Freight Agents	33,090	43,416	51,846	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	19,988	29,376	31,551	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	22,651	32,153	37,575	No	No	No	High school diploma or equivalent	No	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	25,232	37,524	44,767	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	26,814	37,188	38,975	No	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,757	48,686	62,989	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,061	52,435	65,034	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	36,937	50,049	61,604	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	29,012	51,000	61,895	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	23,273	32,645	36,461	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	24,555	33,959	38,550	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	32,913	53,168	64,201	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	30,856	47,815	59,823	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	23,051	31,279	35,925	No	No	No	Some college, no degree	No	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	24,840	35,937	41,564	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	21,196	27,204	30,630	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	21,426	26,644	28,977	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	26,629	48,981	53,526	No	Yes	No	Associate's degree	No	Yes	No
43-9041	Insurance Claims and Policy Processing Clerks	25,742	40,182	46,489	No	No	No	High school diploma or equivalent	No	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	18,158	21,312	19,524	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	20,232	31,380	37,320	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	22,716	31,820	36,089	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	24,629	39,179	51,943	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	30,359	51,193	62,726	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	25,090	35,621	39,785	No	No	No	Some college, no degree	Yes	No	No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	30,779	54,873	76,027	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	18,983	34,533	43,687	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	20,242	36,810	42,317	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	23,732	31,377	35,227	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	21,455	31,053	35,496	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	18,592	24,533	28,767	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	19,418	29,840	38,245	No	No	No	No formal educational credential	No	Yes	Yes

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45-2099	Agricultural Workers, All Other	18,197	26,842	27,119	No	No	No	No formal educational credential	No	Yes	No
45-3031	Fishing and Hunting Workers	19,418	29,840	38,245	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	33,543	38,300	41,614	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	25,379	34,764	38,124	No	No	No	High school diploma or equivalent	No	No	No
45-4022	Logging Equipment Operators	17,391	33,552	42,724	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	21,371	30,849	35,921	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,261	43,863	55,247	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	40,699	61,533	68,288	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	32,460	48,037	56,367	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	36,924	47,620	52,199	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2022	Stonemasons	30,461	36,606	40,336	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	25,921	41,721	49,843	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	17,327	30,183	38,939	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,232	37,023	48,222	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	24,213	33,135	37,847	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	24,296	36,356	42,289	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	28,268	39,701	44,856	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	31,488	41,456	46,621	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2061	Construction Laborers	19,755	29,570	32,724	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	24,750	34,764	37,430	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	31,164	46,880	55,849	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	26,586	35,044	39,584	No	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	24,751	32,195	36,863	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	17,503	38,059	46,639	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	30,133	45,168	52,075	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	25,176	39,115	47,065	No	No	No	High school diploma or equivalent	No	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	25,407	36,458	42,863	No	No	No	High school diploma or equivalent	No	No	No
47-2132	Insulation Workers, Mechanical	27,082	36,921	42,706	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	26,182	36,098	39,286	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	30,562	44,316	56,728	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	26,120	36,449	41,493	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	33,688	45,012	54,243	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	21,159	34,968	42,308	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	29,276	42,086	48,398	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	22,654	35,801	42,855	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	24,620	39,337	46,667	No	No	No	High school diploma or equivalent	No	No	No
47-2221	Structural Iron and Steel Workers	25,324	40,882	48,305	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2231	Solar Photovoltaic Installers	23,611	33,422	37,384	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20,557	28,230	33,061	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	21,260	24,741	25,721	No	No	No	No formal educational credential	Yes	No	No
47-3013	Helpers--Electricians	22,924	30,943	34,520	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	19,159	26,129	30,442	No	No	No	No formal educational credential	No	No	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	25,623	33,179	39,447	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	22,862	31,654	36,236	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	26,249	31,459	34,447	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	35,188	56,848	64,343	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	49,357	82,940	100,144	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	23,815	35,625	43,761	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	25,009	36,838	43,687	No	No	No	High school diploma or equivalent	No	No	No
47-4051	Highway Maintenance Workers	26,470	30,286	32,408	No	No	No	High school diploma or equivalent	Yes	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	31,701	44,566	51,101	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	22,704	26,915	29,540	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	25,324	36,014	40,744	No	No	No	High school diploma or equivalent	No	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	31,812	41,901	47,426	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	23,084	50,175	64,855	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	28,089	34,553	38,615	No	No	No	High school diploma or equivalent	Yes	No	No
47-5041	Continuous Mining Machine Operators	33,598	53,470	63,790	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	33,598	53,470	63,790	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	28,387	34,709	36,838	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	31,812	41,901	47,426	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	21,936	31,747	37,125	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	24,491	42,447	49,351	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	33,015	52,563	67,409	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	30,974	55,083	64,712	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	19,406	36,321	41,713	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	29,017	53,452	68,187	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	30,409	51,510	65,991	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	31,534	54,525	66,252	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	26,203	40,142	47,500	No	No	No	High school diploma or equivalent	Yes	No	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	31,303	50,980	64,216	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	32,478	50,805	59,847	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	39,300	66,456	84,393	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	23,639	35,218	42,021	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	21,918	34,015	41,283	No	No	No	Postsecondary nondegree award	No	No	No
49-2098	Security and Fire Alarm Systems Installers	29,289	47,319	58,413	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	34,142	61,908	87,344	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	18,847	34,969	46,685	No	No	No	Postsecondary nondegree award	No	No	Yes
49-3022	Automotive Glass Installers and Repairers	20,251	34,709	40,022	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	26,198	45,659	58,235	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	28,869	49,645	61,268	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	24,602	39,346	47,704	No	No	No	High school diploma or equivalent	No	No	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	32,092	46,527	54,766	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	33,857	51,924	58,894	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	26,166	46,371	58,598	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	23,750	34,135	40,179	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	27,791	41,307	49,082	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3091	Bicycle Repairers	20,686	27,850	31,682	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	25,333	44,455	56,145	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-3093	Tire Repairers and Changers	19,520	29,035	34,320	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	22,519	37,319	43,900	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	29,211	47,000	55,719	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	30,179	42,217	47,764	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	35,799	51,217	60,428	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9041	Industrial Machinery Mechanics	27,045	43,293	50,008	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	23,213	36,828	45,251	No	No	No	High school diploma or equivalent	No	No	No
49-9044	Millwrights	29,766	46,445	57,274	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	43,764	69,380	81,739	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	28,248	42,595	48,417	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	18,002	38,448	50,897	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	22,490	38,242	46,835	No	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	21,982	32,691	37,263	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,307	40,549	50,360	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	35,523	52,656	60,347	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	23,221	36,158	41,950	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	41,688	68,261	82,931	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18,095	28,545	34,515	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	31,414	46,612	47,343	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	33,859	42,493	48,466	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9095	Manufactured Building and Mobile Home Installers	19,770	27,212	29,739	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	30,183	45,566	55,164	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	36,754	61,384	73,898	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	22,594	32,578	38,945	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	25,109	33,521	38,541	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	35,115	57,601	66,458	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	17,836	38,245	49,416	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	17,373	33,182	46,297	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	24,213	32,902	38,043	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	23,704	28,082	29,461	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	23,796	33,802	38,652	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	24,065	33,339	37,115	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	21,329	28,660	31,269	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	19,743	27,121	31,325	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	20,390	32,710	38,559	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	20,140	28,850	34,255	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	20,751	26,499	29,091	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	23,732	31,377	35,227	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,354	28,165	32,552	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	18,030	26,018	30,211	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	19,622	25,333	28,415	No	No	No	No formal educational credential	Yes	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	23,898	32,987	37,458	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	24,500	33,089	36,616	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	24,666	33,941	39,698	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	33,159	43,459	48,489	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	31,034	51,045	62,328	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,548	30,359	35,366	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,371	35,292	41,493	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	31,312	41,243	46,806	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 5 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-4041	Machinists	26,979	37,593	43,207	No	No	No	Postsecondary nondegree award	Yes	No	No
51-4051	Metal-Refining Furnace Operators and Tenders	28,434	39,300	45,705	No	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	24,315	38,383	46,010	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	31,034	51,045	62,328	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic										
51-4071	Foundry Mold and Coremakers										
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	19,641	31,108	36,542	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	23,722	33,580	36,865	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	27,702	49,379	58,302	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	28,905	40,297	42,529	No	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	23,371	33,015	37,911	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	20,761	32,312	37,162	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	26,601	42,447	52,804	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	26,471	36,051	39,022	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	24,370	33,330	36,930	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	19,724	31,729	36,069	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	26,546	36,027	40,212	No	No	No	Postsecondary nondegree award	Yes	No	No
51-5112	Printing Press Operators	23,872	34,339	40,038	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	19,286	32,909	41,285	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,584	21,601	23,708	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	17,725	22,649	25,712	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	17,789	25,916	29,341	No	No	No	No formal educational credential	No	No	Yes
51-6041	Shoe and Leather Workers and Repairers	18,336	28,693	34,533	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	17,651	27,638	33,348	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	19,622	26,416	31,469	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	18,539	27,508	32,154	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	23,880	28,794	32,747	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	19,604	29,054	34,098	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	17,651	24,481	27,878	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	19,511	41,882	65,197	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	35,283	63,790	75,999	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	17,428	27,406	29,155	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	22,325	36,116	42,882	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,317	25,509	31,164	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	27,884	36,410	40,505	No	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Furniture Finishers	18,428	34,172	42,354	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	20,140	28,489	31,682	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	19,659	30,488	36,218	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	21,140	37,800	52,619	No	No	No	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	65,188	89,132	101,026	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	53,546	73,785	92,011	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	41,688	68,261	82,931	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	36,144	53,961	60,903	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	29,286	46,872	53,874	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	29,498	48,102	58,552	Yes	Yes	Yes	Associate's degree	No	No	Yes
51-8092	Gas Plant Operators	30,636	44,390	53,322	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	28,137	47,482	55,266	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	36,273	55,451	59,394	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	24,768	41,391	52,350	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	22,843	35,523	42,789	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	22,121	33,348	38,420	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,344	31,062	35,199	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	23,593	33,848	37,828	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	19,437	32,811	39,105	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	21,695	32,293	37,921	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,075	31,460	35,736	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,307	30,507	35,116	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	23,295	38,051	47,994	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	22,630	41,873	53,415	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	20,474	39,216	47,945	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	23,676	42,715	50,194	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	20,427	31,729	35,810	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	18,243	27,832	32,876	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,252	30,405	39,207	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	27,153	40,276	48,316	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-9141	Semiconductor Processing Technicians	26,277	38,707	45,381	No	No	No	High school diploma or equivalent	Yes	No	No

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51-9151	Photographic Process Workers and Processing Machine Operators	22,390	38,902	46,621	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	24,500	36,764	43,613	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	32,858	50,388	59,125	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	19,974	32,108	38,911	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,158	32,117	36,893	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	20,094	34,385	42,484	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,299	24,731	30,738	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	22,167	31,423	35,644	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	23,815	34,070	38,337	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	24,278	34,931	42,410	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	26,030	33,211	38,060	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	23,194	30,415	34,754	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	32,210	58,913	73,129	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	34,157	50,217	59,614	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	90,872	212,631	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	36,039	104,533	136,886	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	64,336	113,521	140,687	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	23,528	43,159	55,914	No	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	28,508	53,905	62,263	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,288	27,008	29,313	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,297	31,433	38,391	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	27,053	41,564	50,340	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	24,129	37,338	43,881	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	21,744	31,367	37,074	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	24,365	33,671	38,820	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,428	28,212	29,423	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	49,564	62,235	68,557	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	50,018	62,846	71,537	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	32,173	52,563	62,837	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	50,018	62,846	71,537	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	20,724	39,050	55,034	No	No	No	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	26,814	51,230	66,872	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	22,066	38,087	45,131	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	20,696	75,073	97,898	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	18,493	40,651	51,786	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	30,451	67,928	83,209	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	23,778	36,967	45,390	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	17,641	22,862	26,258	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	21,093	27,450	30,726	No	No	No	No formal educational credential	Yes	Yes	Yes
53-6041	Traffic Technicians	26,666	44,307	51,425	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	48,713	85,597	113,364	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,401	22,760	24,537	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	20,872	30,729	36,005	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	18,521	31,442	37,717	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	33,135	56,515	68,696	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	31,599	44,594	51,776	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	24,972	38,467	40,429	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	26,551	32,626	36,729	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	18,946	25,450	29,352	No	No	No	No formal educational credential	No	No	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,026	28,163	31,212	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	18,521	30,053	35,921	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,773	24,436	25,137	No	No	No	No formal educational credential	Yes	No	No
53-7065	Stockers and Order Fillers	20,778	27,307	30,987	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	18,789	37,698	44,909	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	24,435	37,208	44,029	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	18,521	31,442	37,717	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	21,047	39,439	50,175	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 6 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
11-1011	Chief Executives	63,152	217,446	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	47,199	76,866	93,500	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	26,786	42,076	38,088	Yes	Yes	No	Bachelor's degree	No	No	No
11-2011	Advertising and Promotions Managers	44,478	101,429	117,789	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	53,524	122,078	154,714	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	49,693	123,178	156,199	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	50,517	101,814	118,595	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	27,662	61,660	90,324	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
11-3021	Computer and Information Systems Managers	72,908	134,359	159,984	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	53,243	92,764	104,543	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	53,304	103,656	126,660	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	56,356	107,881	133,873	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	45,183	89,185	110,191	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	60,425	97,671	115,736	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	53,991	104,142	124,891	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	53,432	100,073	122,151	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	33,874	72,825	77,206	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-9021	Construction Managers	37,122	73,121	103,561	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	24,901	41,087	47,603	No	Yes	Yes	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	48,468	77,032	92,745	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	43,250	89,771	106,369	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	38,795	72,898	91,073	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9041	Architectural and Engineering Managers	78,425	129,886	153,825	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	34,362	45,562	48,652	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	42,223	80,670	88,717	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	31,298	60,324	69,846	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	48,902	78,835	95,596	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	47,539	86,444	106,873	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	66,132	75,803	85,665	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	29,365	57,144	66,492	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	28,708	59,082	81,947	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
11-9161	Emergency Management Directors	44,340	75,905	91,916	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	38,612	75,089	91,879	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	50,264	81,100	90,786	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes										
13-1020	Buyers and Purchasing Agents	34,162	54,168	66,628	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	35,514	60,159	74,007	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	44,945	62,991	73,861	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	28,700	44,501	59,965	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	35,746	67,971	96,783	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1071	Human Resources Specialists	33,012	54,633	71,370	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	17,349	53,991	73,210	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	28,314	32,606	37,371	Yes	No	No	Bachelor's degree	No	No	No
13-1111	Management Analysts	36,414	47,034	49,514	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1121	Meeting, Convention, and Event Planners	23,380	46,137	56,145	No	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	25,387	51,269	63,816	No	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	31,683	52,717	61,662	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	24,779	40,759	48,276	No	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	26,543	50,392	60,186	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	20,343	45,566	59,886	No	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	33,282	53,866	65,318	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	23,921	50,866	63,440	No	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	41,527	68,123	81,963	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2041	Credit Analysts	42,058	76,097	90,798	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	28,439	94,262	115,855	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	31,674	64,265	81,660	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2061	Financial Examiners	42,214	76,418	92,163	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	30,455	46,063	48,804	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2072	Loan Officers	68,281	95,798	113,755	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2081	Tax Examiners and Collectors, and Revenue Agents	25,964	44,579	51,663	No	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	17,652	43,167	55,971	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	35,615	69,993	82,421	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1211	Computer Systems Analysts	43,763	80,615	97,176	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	47,521	87,242	110,622	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	66,969	109,953	128,447	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	31,528	60,516	74,127	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	33,250	47,667	56,950	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	55,577	99,184	120,712	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	44,478	75,675	91,797	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1245	Database Administrators and Architects	43,240	88,259	112,894	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	42,077	73,384	90,715	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	49,775	91,677	112,858	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	30,813	62,148	76,940	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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15-1299	Computer Occupations, All Other	30,327	72,532	94,839	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2011	Actuaries										
15-2021	Mathematicians										
15-2031	Operations Research Analysts	32,701	64,742	82,384	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-2041	Statisticians	27,046	66,245	87,342	Yes	Yes	Yes	Master's degree	No	Yes	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	47,291	85,170	108,559	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	42,791	76,729	93,208	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	39,336	66,245	83,383	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1021	Cartographers and Photogrammetrists	40,280	62,203	73,888	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	30,675	60,214	75,556	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	61,186	100,393	119,667	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers										
17-2031	Bioengineers and Biomedical Engineers	57,135	83,521	100,274	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	45,862	89,533	113,215	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	64,862	77,127	79,658	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	58,280	94,042	113,976	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	54,248	90,953	111,061	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	60,883	93,804	109,430	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	37,934	75,107	92,539	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	43,130	76,546	94,922	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	48,996	79,158	94,867	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	44,423	73,604	87,993	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	46,705	88,140	107,423	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	47,062	82,210	102,465	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	67,372	108,275	132,535	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	78,892	99,504	112,390	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	67,812	147,291	181,091	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	47,090	90,284	114,049	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	33,067	50,627	58,775	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	21,437	47,887	59,435	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3013	Mechanical Drafters	32,545	55,650	68,206	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	30,749	50,582	58,317	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	37,320	62,927	81,165	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	28,329	47,676	59,325	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	29,383	55,219	68,792	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	30,419	48,703	56,521	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	24,883	40,079	47,979	No	Yes	Yes	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	31,473	50,243	59,655	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	28,769	50,710	65,374	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	20,298	29,980	35,225	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	34,662	54,834	65,172	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists										
19-1012	Food Scientists and Technologists	29,420	53,313	67,097	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	29,181	66,226	89,881	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1021	Biochemists and Biophysicists	40,418	73,219	83,383	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	33,186	57,565	70,277	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	29,722	48,666	54,770	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	34,909	65,310	84,382	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1031	Conservation Scientists	31,005	63,761	79,690	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1032	Foresters	42,562	69,544	88,946	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1041	Epidemiologists	30,162	50,618	63,028	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	37,989	80,588	95,609	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1099	Life Scientists, All Other	46,210	95,600	119,897	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers										
19-2012	Physicists										
19-2021	Atmospheric and Space Scientists	54,257	90,724	106,635	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	33,251	59,527	73,155	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	45,523	94,583	122,994	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	34,399	45,844	52,168	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	47,530	82,989	105,434	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	42,993	87,755	103,125	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	43,515	107,386	125,707	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	48,474	86,499	97,561	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	27,046	66,245	87,342	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3031	Clinical, Counseling, and School Psychologists	35,661	70,946	80,844	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	27,046	66,245	87,342	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	42,260	89,762	105,911	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists										
19-3051	Urban and Regional Planners	38,447	65,383	78,828	Yes	Yes	Yes	Master's degree	No	Yes	No
19-3091	Anthropologists and Archeologists	30,162	50,618	63,028	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	22,885	53,698	78,856	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	50,105	76,088	89,890	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	17,679	33,434	40,491	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	25,470	40,766	50,627	No	Yes	Yes	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	28,751	46,714	56,337	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-4042	Environmental Science and Protection Technicians, Including Health	23,976	42,773	48,895	No	Yes	Yes	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians										
19-4051	Nuclear Technicians	64,549	88,259	100,036	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	24,709	49,299	57,162	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	28,613	43,085	51,516	Yes	Yes	Yes	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	31,097	50,013	59,664	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	19,256	44,111	55,512	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	31,583	62,120	78,196	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-5012	Occupational Health and Safety Technicians	24,773	46,054	59,710	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	33,619	51,521	64,746	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	27,458	38,915	45,788	Yes	No	Yes	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	20,383	32,343	37,457	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	28,400	41,560	44,525	Yes	Yes	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	21,840	33,269	37,063	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	35,212	44,002	49,504	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	31,024	49,720	58,958	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	24,122	41,004	48,538	No	Yes	Yes	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	35,183	43,074	45,671	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	27,706	53,863	68,169	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	28,796	36,898	40,876	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	21,867	32,244	36,980	No	No	No	Some college, no degree	Yes	Yes	Yes
21-1094	Community Health Workers	24,131	38,484	45,339	No	No	Yes	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	26,084	39,116	45,633	No	No	Yes	Bachelor's degree	No	No	No
21-2011	Clergy	31,314	50,419	61,293	Yes	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	23,481	42,901	51,681	No	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	17,991	39,868	52,855	No	Yes	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	51,534	77,890	95,426	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	27,788	47,062	53,239	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	35,606	94,005	115,122	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
23-1022	Arbitrators, Mediators, and Conciliators	23,407	65,328	92,411	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	133,873	172,100	156,996	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	29,988	47,750	56,878	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
23-2093	Title Examiners, Abstractors, and Searchers	30,914	48,153	56,301	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	24,443	53,120	56,750	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	54,532	100,054	117,669	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1021	Computer Science Teachers, Postsecondary	42,791	90,587	113,380	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	39,116	76,244	100,623	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	24,306	83,117	103,720	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	49,638	101,457	124,277	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1041	Agricultural Sciences Teachers, Postsecondary	50,811	95,838	116,652	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1042	Biological Science Teachers, Postsecondary	38,805	82,549	101,081	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary										
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	43,763	87,214	108,046	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	47,988	80,707	95,325	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	21,474	68,957	80,945	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary										
25-1061	Anthropology and Archeology Teachers, Postsecondary	53,377	85,317	96,407	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	39,785	73,696	89,515	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary										
25-1064	Geography Teachers, Postsecondary										
25-1065	Political Science Teachers, Postsecondary										
25-1066	Psychology Teachers, Postsecondary	38,493	74,786	89,230	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary										
25-1069	Social Sciences Teachers, Postsecondary, All Other	40,463	77,114	102,309	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	52,671	106,910	114,058	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	52,671	106,910	114,058	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	38,905	62,725	74,438	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary										
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	36,431	82,036	89,322	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	51,507	139,427	184,794	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary										
25-1121	Art, Drama, and Music Teachers, Postsecondary	30,620	90,816	103,876	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	38,126	66,455	78,526	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	28,650	70,360	97,461	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	43,378	78,828	101,594	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	26,725	76,335	87,782	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	41,380	85,821	100,916	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	30,584	61,607	74,713	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	29,081	51,297	60,801	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	21,034	51,214	64,375	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	19,400	25,216	26,768	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	32,820	53,084	63,348	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	36,297	52,672	61,842	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	41,215	56,914	66,179	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	27,468	54,110	69,113	Yes	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	35,764	53,916	62,862	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	39,996	59,783	68,023	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	29,374	57,006	72,513	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	37,512	58,610	70,781	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	37,595	54,651	64,146	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	38,291	57,794	69,232	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	25,680	47,502	57,749	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	29,099	43,158	53,285	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	18,331	25,067	27,799	No	No	No	Some college, no degree	No	No	No
25-3031	Substitute Teachers, Short-Term	17,313	27,147	28,549	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	27,693	51,486	63,669	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	25,048	39,914	46,494	No	Yes	Yes	Master's degree	No	No	No
25-4012	Curators	26,524	50,591	57,584	Yes	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	20,960	37,815	45,559	No	No	Yes	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	33,685	48,614	55,643	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	23,389	33,965	37,631	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	20,460	37,261	49,337	No	No	Yes	Master's degree	No	No	No
25-9031	Instructional Coordinators	30,730	56,960	70,323	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	17,542	34,946	45,092	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	18,357	22,441	24,683	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	21,501	45,953	58,638	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	42,975	87,837	94,784	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	16,809	30,043	36,073	No	No	No	Some college, no degree	No	No	Yes
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	17,615	43,460	58,189	No	Yes	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	39,116	60,315	71,689	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	27,843	78,544	96,022	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	36,550	61,946	72,330	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	29,685	57,345	66,318	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	19,796	29,154	33,645	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	22,319	43,773	50,977	No	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	22,445	48,859	57,978	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	19,375	31,986	35,322	No	No	No	Some college, no degree	No	Yes	No
27-1027	Set and Exhibit Designers										
27-1029	Designers, All Other	29,420	53,808	61,717	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors										
27-2012	Producers and Directors	30,144	67,106	79,296	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-2021	Athletes and Sports Competitors	17,157	65,072	76,546	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	18,128	41,756	49,014	No	Yes	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	17,175	36,046	43,021	No	No	No	Some college, no degree	No	Yes	Yes
27-2031	Dancers										
27-2032	Choreographers										
27-2041	Music Directors and Composers	17,267	60,553	70,424	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	17,367	82,239	115,294	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	17,368	23,856	27,761	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys										
27-3023	News Analysts, Reporters, and Journalists	26,395	58,097	67,390	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	52,975	64,088	63,895	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-3041	Editors	22,573	50,857	59,444	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	31,528	57,410	70,699	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	26,047	62,533	65,429	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	21,373	50,078	64,063	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	17,771	46,879	77,041	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	17,542	41,197	51,269	No	Yes	Yes	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	25,030	45,724	56,172	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4012	Broadcast Technicians	20,218	42,828	52,286	No	Yes	Yes	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	21,639	51,791	59,490	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	17,588	33,535	37,100	No	No	No	Some college, no degree	No	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	21,464	45,697	56,823	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	29,218	49,473	59,609	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	22,665	74,475	96,691	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	31,922	77,673	87,883	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	82,082	165,813	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons										
29-1023	Orthodontists	82,082	165,813	190,632	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists										
29-1029	Dentists, All Other Specialists										
29-1031	Dietitians and Nutritionists	37,127	56,484	66,584	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	41,444	97,561	122,884	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1051	Pharmacists	105,842	118,085	129,301	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1071	Physician Assistants	58,812	99,734	120,410	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	49,363	121,629	166,785	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1122	Occupational Therapists	67,266	85,638	99,030	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	62,396	81,586	94,027	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1124	Radiation Therapists	52,900	77,756	90,220	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	25,882	46,842	55,852	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	42,535	55,127	60,562	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	52,234	114,485	154,081	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	32,563	49,628	60,938	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	29,108	47,218	55,265	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	53,954	103,271	115,488	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1141	Registered Nurses	41,712	59,940	69,084	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	124,497	162,001	166,959	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,071	61,891	90,752	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	49,334	78,208	95,998	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	40,528	67,601	76,335	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	124,809	248,775	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	86,912	187,323	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	46,723	192,181	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	114,306	225,065	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	53,918	145,054	180,752	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	42,975	184,702	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	68,817	192,835	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	47,667	224,387	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	41,747	62,203	72,229	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	19,861	61,717	74,401	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	26,120	48,547	60,562	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	23,930	45,413	62,267	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2032	Diagnostic Medical Sonographers	43,992	62,331	72,257	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	52,827	69,865	78,801	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	34,506	52,790	62,102	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	43,222	61,314	71,579	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	20,742	25,381	28,308	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	18,981	27,385	29,640	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	20,841	29,990	37,852	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	20,823	30,345	34,653	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	29,658	42,810	50,013	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	22,188	32,545	36,972	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	25,103	37,531	44,249	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	32,139	44,182	49,752	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	21,373	38,860	51,654	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	34,039	70,076	82,769	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-2092	Hearing Aid Specialists	26,670	58,060	67,069	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	23,737	38,930	50,141	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	30,519	44,771	50,838	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors										
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	26,359	54,293	67,674	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	18,878	25,664	28,694	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,391	27,446	30,608	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	19,485	25,964	28,531	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	23,435	27,513	29,328	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	46,742	61,900	71,918	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides										
31-2021	Physical Therapist Assistants	33,278	57,703	68,417	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	17,863	25,983	29,557	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	18,119	37,146	45,871	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	26,331	37,732	44,469	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	23,137	28,115	30,920	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	22,143	31,308	35,908	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	18,843	31,069	35,734	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	19,732	29,869	35,689	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	19,338	27,477	32,151	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	24,287	31,812	35,872	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9099	Healthcare Support Workers, All Other	24,590	31,894	35,982	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	31,482	43,910	45,284	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	41,477	61,075	72,731	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	33,370	43,924	49,678	Yes	Yes	Yes	Associate's degree	Yes	No	No
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	24,663	44,019	54,495	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	21,699	27,711	30,826	No	No	No	Postsecondary nondegree award	No	No	No
33-2021	Fire Inspectors and Investigators	40,253	56,768	61,076	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	27,174	32,123	35,093	Yes	No	No	Some college, no degree	Yes	Yes	No
33-3011	Bailiffs	30,135	42,837	49,628	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,752	35,147	35,396	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	32,218	46,814	53,701	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	19,439	26,084	28,173	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	25,314	39,300	46,091	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	34,977	45,284	50,188	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
33-3052	Transit and Railroad Police	41,252	59,426	70,552	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	22,134	30,770	36,818	No	No	No	Postsecondary nondegree award	No	No	No

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33-9021	Private Detectives and Investigators	30,574	45,220	55,109	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators										
33-9032	Security Guards	18,589	30,561	34,641	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	19,063	25,772	28,751	No	No	No	No formal educational credential	No	Yes	Yes
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	17,798	26,423	29,026	No	No	No	No formal educational credential	No	Yes	Yes
33-9093	Transportation Security Screeners	32,820	38,924	41,554	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	18,990	32,023	36,816	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	26,459	50,710	62,753	No	Yes	Yes	Associate's degree	No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	20,885	28,079	30,635	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	17,010	20,181	21,849	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	18,804	23,356	25,525	No	No	No	No formal educational credential	No	No	No
35-2013	Cooks, Private Household	19,292	27,642	32,426	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	18,638	23,848	26,701	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	18,028	24,342	27,825	No	No	No	No formal educational credential	No	No	Yes
35-2019	Cooks, All Other	19,861	27,999	32,930	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	18,964	25,841	30,145	No	No	No	No formal educational credential	No	Yes	Yes
35-3011	Bartenders	18,419	21,649	23,673	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,400	20,597	20,597	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	17,157	24,617	27,807	No	No	No	No formal educational credential	No	No	Yes
35-3041	Food Servers, Nonrestaurant	17,349	21,914	23,527	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	17,203	21,263	22,711	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	17,450	21,584	23,692	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	17,267	21,703	23,572	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	17,340	25,204	28,173	No	No	No	No formal educational credential	No	Yes	Yes
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	23,105	36,898	44,551	No	No	No	High school diploma or equivalent	No	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	18,795	30,306	36,930	No	No	No	Some college, no degree	No	No	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	18,697	24,276	27,793	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	18,596	22,285	24,584	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	19,778	33,452	48,336	No	No	Yes	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	22,381	35,927	42,819	No	No	No	High school diploma or equivalent	No	No	Yes
37-3011	Landscaping and Groundskeeping Workers	19,158	25,154	25,241	No	No	No	No formal educational credential	No	Yes	No
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	20,740	31,188	36,073	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	20,374	33,104	41,664	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	23,994	32,847	36,330	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	33,452	51,361	60,590	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	27,891	45,085	51,926	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	20,044	36,449	41,902	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	18,829	23,331	20,546	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	16,891	22,995	25,946	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners										
39-3019	Gambling Service Workers, All Other										
39-3021	Motion Picture Projectionists										
39-3031	Ushers, Lobby Attendants, and Ticket Takers	17,468	23,352	25,928	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	17,276	22,033	23,407	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants										
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	17,835	25,350	28,897	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other										
39-4011	Embalmers	31,069	52,167	53,157	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
39-4021	Funeral Attendants	19,521	27,468	29,026	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	30,487	43,157	49,285	Yes	Yes	Yes	Associate's degree	Yes	No	No
39-5011	Barbers	20,081	29,154	34,690	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	17,688	27,898	32,398	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance										
39-5092	Manicurists and Pedicurists	18,587	24,782	27,293	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	17,652	24,131	27,843	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,311	33,076	38,191	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	17,258	22,885	26,111	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	19,301	26,588	29,520	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	20,227	29,988	32,884	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	17,441	23,829	25,772	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	18,699	19,933	20,326	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	18,542	25,465	30,667	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	25,012	28,970	31,251	No	No	No	Some college, no degree	Yes	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	17,267	25,864	28,631	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	23,998	37,697	42,914	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	54,699	63,336	66,394	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	18,809	21,437	23,043	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	17,404	26,230	32,426	No	No	No	No formal educational credential	No	Yes	Yes
41-2021	Counter and Rental Clerks	27,956	37,784	40,756	Yes	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	20,617	27,776	32,340	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,359	26,094	29,184	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	20,291	51,883	67,161	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	43,126	72,413	79,321	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	32,472	71,166	77,637	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-3041	Travel Agents	18,321	37,036	45,541	No	No	Yes	Some college, no degree	No	Yes	Yes

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41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	18,569	46,536	47,763	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	30,391	84,236	112,574	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	24,784	61,355	80,835	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	18,972	35,963	45,229	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models										
41-9021	Real Estate Brokers	24,507	61,241	63,752	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	18,321	56,016	64,760	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	51,425	102,346	132,168	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	18,046	25,488	28,036	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,230	25,268	27,449	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	18,651	33,095	35,689	No	No	No	Some college, no degree	No	Yes	Yes
43-1011	First-Line Supervisors of Office and Administrative Support Workers	35,276	52,190	65,995	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	19,375	28,063	31,436	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	22,115	28,787	29,905	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	27,064	37,457	44,285	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-3011	Bill and Account Collectors	24,388	34,378	37,641	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	25,197	33,515	40,741	No	No	No	High school diploma or equivalent	No	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	21,092	32,746	38,923	No	No	No	Some college, no degree	No	Yes	Yes
43-3041	Gambling Cage Workers	18,183	25,625	28,961	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	19,578	35,954	46,324	No	No	Yes	Some college, no degree	No	Yes	Yes
43-3061	Procurement Clerks	27,907	39,648	46,036	Yes	Yes	Yes	Associate's degree	No	No	No
43-3071	Tellers	24,810	32,078	35,899	No	No	No	High school diploma or equivalent	No	No	No
43-3099	Financial Clerks, All Other	28,082	42,929	50,188	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	32,398	49,775	59,463	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks										
43-4031	Court, Municipal, and License Clerks	27,440	40,464	47,780	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	26,084	39,703	45,550	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	21,780	32,495	38,332	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	24,581	33,223	39,629	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	20,374	31,463	37,109	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	18,073	24,223	27,101	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	18,293	33,617	38,227	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	18,367	26,056	29,126	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	23,921	39,739	47,649	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
43-4141	New Accounts Clerks	27,303	37,302	42,425	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4151	Order Clerks	21,171	32,187	36,486	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	38,626	65,124	77,669	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
43-4171	Receptionists and Information Clerks	18,940	26,016	29,874	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	21,758	38,612	53,404	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
43-4199	Information and Record Clerks, All Other	27,502	37,731	44,260	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5011	Cargo and Freight Agents	24,846	40,803	47,053	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
43-5021	Couriers and Messengers	19,411	29,658	34,470	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	25,205	31,778	35,492	No	No	No	High school diploma or equivalent	No	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	22,023	34,552	39,969	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	24,150	38,411	45,385	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
43-5051	Postal Service Clerks	37,757	53,858	64,269	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,609	53,950	68,337	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	31,564	47,301	57,721	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	26,695	50,027	65,573	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	21,794	29,446	31,919	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	24,315	33,626	38,172	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	29,927	54,400	62,368	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	27,504	43,589	53,075	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	22,165	31,947	37,217	No	No	No	Some college, no degree	Yes	Yes	Yes
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	22,021	33,085	38,629	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	22,323	28,979	33,784	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	18,614	30,107	35,936	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	26,368	48,501	53,001	No	Yes	Yes	Associate's degree	No	Yes	Yes
43-9041	Insurance Claims and Policy Processing Clerks	25,360	38,557	43,598	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	18,862	28,998	34,130	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	20,884	31,567	34,175	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	18,660	30,602	35,569	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers										
43-9111	Statistical Assistants										
43-9199	Office and Administrative Support Workers, All Other	19,081	33,368	43,539	No	No	No	Some college, no degree	No	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	25,485	45,483	55,598	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
45-2011	Agricultural Inspectors	18,797	34,195	43,259	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	20,044	36,449	41,902	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	23,499	31,069	34,882	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	21,244	30,749	35,148	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	19,221	22,930	24,287	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	19,228	29,548	37,870	No	No	No	No formal educational credential	No	Yes	Yes

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45-2099	Agricultural Workers, All Other	18,018	26,579	26,853	No	No	No	No formal educational credential	No	Yes	No
45-3031	Fishing and Hunting Workers	19,228	29,548	37,870	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	33,214	37,925	41,206	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
45-4021	Fallers	25,130	34,424	37,751	No	No	No	High school diploma or equivalent	No	No	No
45-4022	Logging Equipment Operators	33,355	40,047	45,449	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-4023	Log Graders and Scalers	21,162	30,547	35,569	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,083	43,433	54,706	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	36,158	51,181	58,725	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	32,142	47,566	55,815	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	26,936	39,217	45,715	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2022	Stonemasons	30,162	36,248	39,941	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	28,260	36,915	40,680	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	17,157	29,887	38,557	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,014	36,660	47,750	No	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers										
47-2044	Tile and Stone Setters	24,058	36,000	41,875	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	23,682	36,477	43,149	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	31,179	41,050	46,164	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	26,207	35,509	39,400	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	24,507	34,424	37,063	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators										
47-2073	Operating Engineers and Other Construction Equipment Operators	23,364	31,950	36,765	No	No	No	High school diploma or equivalent	No	No	No
47-2081	Drywall and Ceiling Tile Installers	21,290	34,240	41,802	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	17,331	37,686	46,182	No	No	Yes	No formal educational credential	No	Yes	Yes
47-2111	Electricians	33,465	37,722	39,790	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	24,929	38,731	46,604	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	25,158	36,101	42,443	No	No	No	High school diploma or equivalent	No	No	Yes
47-2132	Insulation Workers, Mechanical	26,817	36,559	42,287	Yes	No	No	High school diploma or equivalent	Yes	No	Yes
47-2141	Painters, Construction and Maintenance	27,128	33,023	37,373	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	30,263	43,882	56,172	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	25,864	36,092	41,087	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	27,202	41,783	47,823	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	20,951	34,625	41,893	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	28,989	41,673	47,924	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	20,603	33,452	41,096	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	24,379	38,951	46,210	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-2221	Structural Iron and Steel Workers	25,075	40,482	47,832	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
47-2231	Solar Photovoltaic Installers	23,380	33,095	37,017	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20,355	27,953	32,737	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	20,502	29,768	34,818	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	20,841	28,604	32,967	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	18,972	25,873	30,144	No	No	No	No formal educational credential	No	Yes	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	21,400	28,677	32,197	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	22,638	31,344	35,881	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	21,134	28,952	33,306	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	35,092	51,013	61,571	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	37,971	71,175	89,615	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	23,582	35,276	43,332	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	24,764	36,477	43,259	No	No	No	High school diploma or equivalent	No	No	Yes
47-4051	Highway Maintenance Workers	22,060	29,126	31,779	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	31,390	44,129	50,600	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	33,395	39,934	40,140	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	No
47-4090	Miscellaneous Construction and Related Workers	25,075	35,661	40,344	No	No	No	High school diploma or equivalent	No	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas										
47-5013	Service Unit Operators, Oil and Gas										
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	24,012	37,806	43,827	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-5041	Continuous Mining Machine Operators	33,269	52,946	63,165	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining										
47-5051	Rock Splitters, Quarry	28,109	34,369	36,477	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	31,500	41,490	46,961	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	21,721	31,436	36,761	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	24,251	42,031	48,868	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	32,692	52,048	66,749	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	34,091	55,560	69,059	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	22,738	36,064	43,598	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	28,732	52,928	67,519	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	31,289	52,515	67,033	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	31,225	53,991	65,603	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	25,946	39,749	47,035	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	30,996	50,481	63,587	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 6 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	33,447	36,667	39,376	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	38,915	65,805	83,566	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	23,407	34,873	41,609	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2097	Audiovisual Equipment Installers and Repairers	22,243	40,326	51,187	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	26,001	41,453	50,233	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	31,482	62,432	81,239	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	24,296	45,724	53,276	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	20,053	34,369	39,629	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	19,598	30,432	31,190	No	No	No	Postsecondary nondegree award	No	No	No
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	33,613	43,175	49,454	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	24,361	38,960	47,236	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	36,422	52,587	61,512	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	33,526	51,416	58,317	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	25,909	45,917	58,024	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	23,517	33,801	39,785	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	21,235	33,727	40,253	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	20,484	27,577	31,372	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	25,085	44,019	55,595	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
49-3093	Tire Repairers and Changers	19,329	28,751	33,984	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	22,298	36,953	43,470	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	28,925	46,540	55,173	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	32,842	38,509	41,184	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	24,269	37,173	44,441	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9041	Industrial Machinery Mechanics	25,587	41,438	50,457	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	22,986	36,468	44,808	No	No	No	High school diploma or equivalent	No	No	Yes
49-9044	Millwrights	29,475	45,990	56,713	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	35,659	61,132	74,749	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	27,972	42,177	47,942	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers										
49-9062	Medical Equipment Repairers	25,167	47,163	59,004	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-9063	Musical Instrument Repairers and Tuners										
49-9064	Watch and Clock Repairers										
49-9069	Precision Instrument and Equipment Repairers, All Other										
49-9071	Maintenance and Repair Workers, General	20,646	31,242	37,351	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	41,279	67,592	82,118	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	17,918	28,265	34,176	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	31,106	46,155	46,879	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	24,021	37,641	46,320	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-9095	Manufactured Building and Mobile Home Installers	19,576	26,945	29,447	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	29,887	45,119	54,623	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	36,394	60,782	73,173	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	19,146	28,631	33,507	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	22,289	37,256	44,643	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-1011	First-Line Supervisors of Production and Operating Workers	30,162	51,828	59,970	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers										
51-2021	Coil Winders, Tapers, and Finishers	17,203	32,857	45,843	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	19,815	30,364	34,680	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	23,472	27,807	29,172	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	23,563	33,471	38,273	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	23,829	33,012	36,752	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	20,291	25,932	29,403	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	22,877	31,337	37,023	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	20,190	32,389	38,181	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	19,943	28,567	33,920	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	20,548	26,239	28,806	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	23,499	31,069	34,882	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,174	27,889	32,233	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	17,853	25,763	29,915	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	19,430	25,085	28,137	No	No	No	No formal educational credential	No	Yes	Yes
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	23,664	32,664	37,091	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	24,260	32,765	36,257	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	24,425	33,608	39,309	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,117	29,942	34,864	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30,730	50,545	61,717	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,346	30,061	35,019	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,162	34,946	41,087	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	31,005	40,839	46,347	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 6 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-4041	Machinists	26,914	37,039	40,555	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	28,155	38,915	45,257	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4052	Pourers and Casters, Metal	24,076	38,007	45,559	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-4061	Model Makers, Metal and Plastic										
51-4062	Patternmakers, Metal and Plastic										
51-4071	Foundry Mold and Coremakers										
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	19,448	30,804	36,183	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	23,490	33,251	36,504	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	27,431	48,895	57,730	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	25,920	35,486	39,180	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	23,142	32,692	37,540	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	20,557	31,995	36,797	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	26,340	42,031	52,286	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	26,212	35,698	38,640	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	24,131	33,003	36,568	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	19,531	31,418	35,716	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	20,951	35,496	42,379	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-5112	Printing Press Operators	18,568	31,518	37,815	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	19,228	29,227	35,221	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,503	20,567	21,751	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	17,551	22,427	25,460	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	17,615	25,662	29,053	No	No	No	No formal educational credential	No	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	18,156	28,412	34,195	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders										
51-6051	Sewers, Hand	19,430	26,157	31,161	No	No	No	No formal educational credential	No	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	18,357	27,238	31,839	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders										
51-6062	Textile Cutting Machine Setters, Operators, and Tenders										
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders										
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	19,320	41,472	64,558	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	34,937	63,165	75,254	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers										
51-6093	Upholsterers	22,106	35,762	42,461	No	No	No	High school diploma or equivalent	No	No	Yes
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,148	25,259	30,859	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	22,995	34,323	40,693	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	18,248	33,837	41,939	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	19,943	28,210	31,372	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	19,466	30,190	35,863	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	20,933	37,430	52,103	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-8011	Nuclear Power Reactor Operators										
51-8012	Power Distributors and Dispatchers	46,595	74,585	93,501	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	41,279	67,592	82,118	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	35,789	53,432	60,306	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	20,581	37,802	47,198	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-8091	Chemical Plant and System Operators	29,209	47,631	57,978	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-8092	Gas Plant Operators	30,336	43,955	52,800	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers										
51-8099	Plant and System Operators, All Other	35,918	54,908	58,812	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	24,526	40,986	51,837	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	22,619	35,175	42,370	No	No	No	High school diploma or equivalent	No	No	Yes
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	21,904	33,021	38,044	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,134	30,758	34,854	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	21,415	31,551	39,407	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	19,247	32,490	38,722	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	21,483	31,977	37,549	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	21,859	31,152	35,386	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,098	30,208	34,772	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	21,911	29,453	34,202	No	No	No	Postsecondary nondegree award	No	No	No
51-9071	Jewelers and Precious Stone and Metal Workers	22,408	41,462	52,891	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	20,273	38,832	47,475	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	23,444	42,296	49,702	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	20,227	31,418	35,459	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	18,064	27,559	32,554	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,073	30,107	38,823	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	24,104	36,678	41,820	No	No	No	High school diploma or equivalent	No	No	No
51-9141	Semiconductor Processing Technicians										

Workforce Region 6 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-9151	Photographic Process Workers and Processing Machine Operators	22,170	38,520	46,164	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9161	Computer Numerically Controlled Tool Operators	24,260	36,403	43,185	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9162	Computer Numerically Controlled Tool Programmers	32,536	49,894	58,546	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	19,778	31,793	38,530	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	21,941	31,803	36,532	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	19,897	34,048	42,067	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,129	24,489	30,437	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	21,950	31,115	35,294	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	23,582	33,736	37,961	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	24,040	34,589	41,994	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	18,495	26,725	29,924	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	18,449	28,705	32,490	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	31,894	58,335	72,413	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	31,904	53,701	64,619	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers										
53-2012	Commercial Pilots	39,529	115,882	145,128	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	63,706	112,409	139,308	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	23,297	42,736	55,366	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants										
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,090	26,743	29,026	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	22,422	34,810	40,205	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	22,686	38,009	44,217	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	21,128	30,947	38,632	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	22,097	33,718	39,135	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	18,867	23,531	27,253	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	18,422	28,091	33,608	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	49,079	61,625	67,885	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers										
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers										
53-4031	Railroad Conductors and Yardmasters	49,528	62,230	70,836	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	20,520	38,667	54,495	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-4099	Rail Transportation Workers, All Other										
53-5011	Sailors and Marine Oilers	21,849	37,714	44,689	No	No	No	High school diploma or equivalent	No	Yes	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	20,493	74,337	96,938	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators										
53-5031	Ship Engineers										
53-6011	Bridge and Lock Tenders	23,545	36,605	44,945	No	No	No	High school diploma or equivalent	No	No	Yes
53-6021	Parking Attendants	17,468	22,638	26,001	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	18,504	25,479	28,641	No	No	No	No formal educational credential	No	Yes	Yes
53-6041	Traffic Technicians	26,404	43,873	50,921	No	Yes	Yes	Associate's degree	No	No	No
53-6051	Transportation Inspectors	48,235	84,758	112,253	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,230	22,537	24,296	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	20,667	30,428	35,652	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	18,339	31,134	37,347	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	32,811	55,961	68,023	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	31,289	44,157	51,269	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators										
53-7051	Industrial Truck and Tractor Operators	23,383	33,797	32,495	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	17,826	25,039	28,137	No	No	No	No formal educational credential	No	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,460	26,378	28,060	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	18,339	29,759	35,569	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,155	25,260	28,834	No	No	No	No formal educational credential	No	Yes	Yes
53-7065	Stockers and Order Fillers	19,777	26,629	30,706	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	18,605	37,329	44,469	No	No	No	High school diploma or equivalent	No	Yes	Yes
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	18,923	22,171	23,971	No	No	No	No formal educational credential	No	No	No
53-7121	Tank Car, Truck, and Ship Loaders										
53-7199	Material Moving Workers, All Other	20,841	39,052	49,683	No	No	Yes	No formal educational credential	Yes	Yes	Yes

Workforce Region 7 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
11-1011	Chief Executives	27,978	131,185	192,288	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1021	General and Operations Managers	35,938	74,057	91,891	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	19,821	114,466	129,137	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2011	Advertising and Promotions Managers	44,478	101,429	117,789	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	53,524	122,078	154,714	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	73,113	134,825	147,295	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	50,517	101,814	118,595	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	43,092	77,912	101,619	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	54,540	84,572	95,869	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	43,016	114,772	143,560	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	36,223	79,082	96,300	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	56,356	107,881	133,873	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	62,529	128,107	125,269	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	60,425	97,671	115,736	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	54,061	90,538	114,758	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	53,432	100,073	122,151	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	33,874	72,825	77,206	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-9021	Construction Managers	36,947	56,702	53,224	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9031	Education and Childcare Administrators, Preschool and Daycare	24,901	41,087	47,603	No	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	59,126	77,390	86,685	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	43,250	89,771	106,369	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9039	Education Administrators, All Other	43,099	61,681	75,035	Yes	Yes	Yes	Master's degree	No	No	No
11-9041	Architectural and Engineering Managers	93,952	136,702	149,759	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	28,170	46,036	59,519	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	42,223	80,670	88,717	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	44,488	64,477	76,343	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9111	Medical and Health Services Managers	42,298	91,662	110,789	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	47,539	86,444	106,873	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	65,759	81,009	89,368	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	20,530	33,115	37,101	No	No	No	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	37,686	65,511	78,526	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9161	Emergency Management Directors	44,340	75,905	91,916	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	38,612	75,089	91,879	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	37,521	81,802	101,865	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes										
13-1020	Buyers and Purchasing Agents	33,140	52,319	62,842	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	25,315	66,655	78,955	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	44,945	62,991	73,861	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	28,232	48,380	60,419	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	44,554	65,859	74,681	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
13-1071	Human Resources Specialists	27,035	48,016	58,251	No	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	17,349	53,991	73,210	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	29,736	51,180	59,962	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	31,153	47,983	56,783	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1121	Meeting, Convention, and Event Planners	23,380	46,137	56,145	No	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	25,387	51,269	63,816	No	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	31,683	52,717	61,662	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	23,112	40,228	48,265	No	No	No	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	18,792	50,417	65,260	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	27,851	56,810	67,015	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	33,155	52,253	60,919	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	41,034	49,737	56,173	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2031	Budget Analysts	41,527	68,123	81,963	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2041	Credit Analysts	42,058	76,097	90,798	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	28,439	94,262	115,855	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	31,674	64,265	81,660	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2061	Financial Examiners	42,214	76,418	92,163	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	30,455	46,063	48,804	Yes	Yes	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	31,505	63,681	87,448	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,323	36,130	42,233	Yes	No	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	17,652	43,167	55,971	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	31,659	41,888	44,753	Yes	No	No	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	43,763	80,615	97,176	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	47,521	87,242	110,622	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	66,969	109,953	128,447	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	31,528	60,516	74,127	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
15-1232	Computer User Support Specialists	27,074	44,215	43,435	No	Yes	No	Postsecondary nondegree award	Yes	Yes	No
15-1241	Computer Network Architects	55,577	99,184	120,712	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	42,036	60,604	68,479	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1245	Database Administrators and Architects	43,240	88,259	112,894	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	42,077	73,384	90,715	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	49,775	91,677	112,858	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	30,813	62,148	76,940	Yes	Yes	Yes	Associate's degree	No	Yes	Yes

Workforce Region 7 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
15-1299	Computer Occupations, All Other	49,414	82,839	100,354	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2011	Actuaries										
15-2021	Mathematicians	64,549	96,764	109,430	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	32,701	64,742	82,384	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2041	Statisticians	27,046	66,245	87,342	No	Yes	Yes	Master's degree	No	No	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	47,291	85,170	108,559	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	42,791	76,729	93,208	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	39,336	66,245	83,383	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1021	Cartographers and Photogrammetrists	40,280	62,203	73,888	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	30,675	60,214	75,556	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
17-2011	Aerospace Engineers	61,186	100,393	119,667	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers										
17-2031	Bioengineers and Biomedical Engineers	57,135	83,521	100,274	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	45,862	89,533	113,215	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	46,228	81,651	98,872	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	58,280	94,042	113,976	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	54,248	90,953	111,061	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	60,883	93,804	109,430	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	37,934	75,107	92,539	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	43,130	76,546	94,922	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	48,996	79,158	94,867	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	44,423	73,604	87,993	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	46,705	88,140	107,423	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	47,062	82,210	102,465	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	67,372	108,275	132,535	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	78,892	99,504	112,390	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	67,812	147,291	181,091	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	45,355	77,113	91,767	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	30,261	57,795	74,987	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3012	Electrical and Electronics Drafters	21,437	47,887	59,435	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	32,545	55,650	68,206	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3019	Drafters, All Other	30,749	50,582	58,317	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	37,320	62,927	81,165	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	28,329	47,676	59,325	Yes	Yes	Yes	Associate's degree	No	No	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	29,383	55,219	68,792	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	30,419	48,703	56,521	Yes	Yes	Yes	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	24,883	40,079	47,979	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	31,473	50,243	59,655	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	28,769	50,710	65,374	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	33,053	39,859	45,534	Yes	No	No	Associate's degree	Yes	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	38,738	52,614	60,199	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists										
19-1012	Food Scientists and Technologists	29,420	53,313	67,097	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	29,181	66,226	89,881	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1021	Biochemists and Biophysicists	40,418	73,219	83,383	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	33,186	57,565	70,277	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	29,722	48,666	54,770	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	34,909	65,310	84,382	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1031	Conservation Scientists	31,005	63,761	79,690	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1032	Foresters	42,562	69,544	88,946	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1041	Epidemiologists	30,162	50,618	63,028	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	37,989	80,588	95,609	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	46,210	95,600	119,897	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	78,517	133,974	152,121	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	78,517	133,974	152,121	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	54,257	90,724	106,635	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	33,251	59,527	73,155	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	45,523	94,583	122,994	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	31,858	55,439	62,349	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	47,530	82,989	105,434	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	42,993	87,755	103,125	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	43,515	107,386	125,707	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	48,474	86,499	97,561	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	27,046	66,245	87,342	No	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	32,202	45,238	48,833	Yes	Yes	No	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	27,046	66,245	87,342	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	42,260	89,762	105,911	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists										
19-3051	Urban and Regional Planners	38,447	65,383	78,828	Yes	Yes	Yes	Master's degree	No	No	Yes
19-3091	Anthropologists and Archeologists	30,162	50,618	63,028	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	22,885	53,698	78,856	No	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	50,105	76,088	89,890	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	17,679	33,434	40,491	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	25,470	40,766	50,627	No	No	Yes	Bachelor's degree	No	No	No

Workforce Region 7 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
19-4031	Chemical Technicians	28,751	46,714	56,337	Yes	Yes	Yes	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	23,976	42,773	48,895	No	Yes	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	24,122	42,672	51,672	No	Yes	Yes	Associate's degree	No	No	No
19-4051	Nuclear Technicians	64,549	88,259	100,036	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	24,709	49,299	57,162	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	28,613	43,085	51,516	Yes	Yes	Yes	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	31,097	50,013	59,664	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	19,256	44,111	55,512	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	31,583	62,120	78,196	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-5012	Occupational Health and Safety Technicians	24,773	46,054	59,710	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	36,045	50,261	58,262	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	27,458	38,915	45,788	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	20,383	32,343	37,457	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	25,543	42,122	48,721	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	21,840	33,269	37,063	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	25,075	41,692	50,985	No	No	Yes	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	31,024	49,720	58,958	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	24,122	41,004	48,538	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	31,995	48,364	61,158	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	27,706	53,863	68,169	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	28,796	36,898	40,876	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	22,457	33,545	39,640	No	No	No	Some college, no degree	Yes	Yes	Yes
21-1094	Community Health Workers	24,131	38,484	45,339	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	26,084	39,116	45,633	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	31,068	42,710	43,706	Yes	Yes	No	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	23,481	42,901	51,681	No	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	17,991	39,868	52,855	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	50,528	69,643	77,037	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	27,788	47,062	53,239	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	35,606	94,005	115,122	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	23,407	65,328	92,411	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	133,873	172,100	156,996	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	29,988	47,750	56,878	Yes	Yes	Yes	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	30,914	48,153	56,301	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	24,443	53,120	56,750	No	Yes	Yes	Associate's degree	No	Yes	No
25-1011	Business Teachers, Postsecondary	54,532	100,054	117,669	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	42,791	90,587	113,380	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	39,116	76,244	100,623	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	24,306	83,117	103,720	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	49,638	101,457	124,277	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	50,811	95,838	116,652	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	38,805	82,549	101,081	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary										
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	43,763	87,214	108,046	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	47,988	80,707	95,325	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	21,474	68,957	80,945	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	44,753	86,829	109,714	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	53,377	85,317	96,407	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	39,785	73,696	89,515	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	54,532	100,054	117,669	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary										
25-1065	Political Science Teachers, Postsecondary	48,565	86,334	97,268	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	38,493	74,786	89,230	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	39,446	74,466	90,798	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	40,463	77,114	102,309	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	52,671	106,910	114,058	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	52,671	106,910	114,058	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	38,905	62,725	74,438	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary										
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	36,431	82,036	89,322	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	51,507	139,427	184,794	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	33,801	68,518	80,652	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	30,620	90,816	103,876	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	38,126	66,455	78,526	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	28,650	70,360	97,461	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	43,378	78,828	101,594	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	26,725	76,335	87,782	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	41,380	85,821	100,916	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	30,584	61,607	74,713	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	29,081	51,297	60,801	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	21,034	51,214	64,375	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	18,377	25,295	27,964	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	32,820	53,084	63,348	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	33,925	46,389	54,879	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	36,642	54,825	65,566	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	27,468	54,110	69,113	Yes	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	33,983	46,144	54,912	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	33,981	45,286	51,383	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2051	Special Education Teachers, Preschool	29,374	57,006	72,513	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	33,673	42,418	48,347	Yes	Yes	No	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	37,595	54,651	64,146	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	38,291	57,794	69,232	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	25,680	47,502	57,749	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	33,967	40,613	45,271	Yes	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	18,165	37,851	49,271	No	No	No	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	17,313	27,147	28,549	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	32,377	46,700	56,106	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	25,048	39,914	46,494	No	No	No	Master's degree	No	No	No
25-4012	Curators	26,524	50,591	57,584	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	20,960	37,815	45,559	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	35,533	51,537	59,508	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	22,414	28,706	30,926	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	17,468	35,074	44,432	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	41,825	53,099	59,261	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	17,542	34,946	45,092	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	18,221	20,156	19,955	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	21,501	45,953	58,638	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	42,975	87,837	94,784	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	16,809	30,043	36,073	No	No	No	Some college, no degree	No	No	Yes
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	17,615	43,460	58,189	No	Yes	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	39,116	60,315	71,689	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	27,843	78,544	96,022	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	36,550	61,946	72,330	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1022	Fashion Designers	29,685	57,345	66,318	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	19,796	29,154	33,645	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	23,622	42,126	49,485	No	No	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	22,445	48,859	57,978	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	19,375	31,986	35,322	No	No	No	Some college, no degree	No	Yes	Yes
27-1027	Set and Exhibit Designers	20,722	45,101	56,007	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	29,420	53,808	61,717	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors										
27-2012	Producers and Directors	30,144	67,106	79,296	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-2021	Athletes and Sports Competitors	17,157	65,072	76,546	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	18,128	41,756	49,014	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	17,175	36,046	43,021	No	No	No	Some college, no degree	No	Yes	Yes
27-2031	Dancers	18,453	50,708	74,461	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers										
27-2041	Music Directors and Composers	17,267	60,553	70,424	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	17,367	82,239	115,294	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	17,368	23,856	27,761	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,248	54,587	67,079	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	26,395	58,097	67,390	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	36,481	68,755	81,064	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-3041	Editors	22,573	50,857	59,444	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	31,528	57,410	70,699	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	26,047	62,533	65,429	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	21,373	50,078	64,063	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	17,771	46,879	77,041	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	17,542	41,197	51,269	No	No	Yes	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	25,030	45,724	56,172	No	Yes	Yes	Associate's degree	No	No	No
27-4012	Broadcast Technicians	20,218	42,828	52,286	No	Yes	Yes	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	21,639	51,791	59,490	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	17,588	33,535	37,100	No	No	No	Some college, no degree	No	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	21,464	45,697	56,823	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	29,218	49,473	59,609	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	22,665	74,475	96,691	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	31,922	77,673	87,883	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	82,082	165,813	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	58,509	215,368	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	82,082	165,813	190,632	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists										
29-1029	Dentists, All Other Specialists	52,488	160,672	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	28,134	64,351	80,206	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
29-1041	Optometrists	41,444	97,561	122,884	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	91,173	124,619	150,253	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1071	Physician Assistants	53,960	80,057	98,503	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	49,363	121,629	166,785	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1122	Occupational Therapists	48,769	82,116	89,521	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	68,567	97,483	103,862	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1124	Radiation Therapists	52,900	77,756	90,220	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	25,882	46,842	55,852	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	42,535	55,127	60,562	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	39,510	60,433	68,274	Yes	Yes	Yes	Master's degree	No	No	No
29-1128	Exercise Physiologists	32,563	49,628	60,938	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	29,108	47,218	55,265	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	53,954	103,271	115,488	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	47,677	67,274	78,363	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
29-1151	Nurse Anesthetists	124,497	162,001	166,959	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,071	61,891	90,752	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	59,435	96,809	115,921	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	40,528	67,601	76,335	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	124,809	248,775	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	86,912	187,323	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	46,723	192,181	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	114,306	225,065	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	53,918	145,054	180,752	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	42,975	184,702	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	88,572	169,785	229,306	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1248	Surgeons, Except Ophthalmologists	47,667	224,387	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	48,430	65,057	78,710	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	19,861	61,717	74,401	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	41,844	58,202	70,119	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	23,930	45,413	62,267	No	Yes	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	43,992	62,331	72,257	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	52,827	69,865	78,801	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	42,367	54,134	62,222	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	43,222	61,314	71,579	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	23,954	30,977	35,352	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	18,981	27,385	29,640	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	24,852	35,042	41,512	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	20,823	30,345	34,653	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	29,658	42,810	50,013	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	22,188	32,545	36,972	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	25,103	37,531	44,249	No	No	No	Postsecondary nondegree award	Yes	No	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	34,177	43,322	48,765	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	23,439	37,028	47,134	No	No	No	Postsecondary nondegree award	No	No	Yes
29-2091	Orthotists and Prosthetists	34,039	70,076	82,769	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-2092	Hearing Aid Specialists	26,670	58,060	67,069	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	26,099	36,962	42,818	No	No	No	Postsecondary nondegree award	Yes	No	No
29-9091	Athletic Trainers	30,519	44,771	50,838	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors										
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	26,359	54,293	67,674	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	18,413	22,325	24,359	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	20,678	26,460	29,236	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	19,485	25,964	28,531	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	23,435	27,513	29,328	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	46,742	61,900	71,918	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides										
31-2021	Physical Therapist Assistants	45,647	62,232	66,606	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	17,863	25,983	29,557	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	19,312	38,181	53,427	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	31,667	47,524	57,051	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	21,553	28,608	31,809	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	22,143	31,308	35,908	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	18,843	31,069	35,734	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	19,732	29,869	35,689	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	19,338	27,477	32,151	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	24,287	31,812	35,872	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	24,590	31,894	35,982	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	31,482	43,910	45,284	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	47,298	64,177	69,158	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	34,197	59,620	75,412	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	24,663	44,019	54,495	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	22,203	33,456	37,193	No	No	No	Postsecondary nondegree award	No	No	No
33-2021	Fire Inspectors and Investigators	40,253	56,768	61,076	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	27,174	32,123	35,093	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-3011	Bailiffs	30,135	42,837	49,628	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	28,192	41,737	49,693	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	34,294	45,199	51,166	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	19,439	26,084	28,173	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	25,314	39,300	46,091	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	34,363	43,240	46,208	Yes	Yes	No	Associate's degree	Yes	No	No
33-3052	Transit and Railroad Police	41,252	59,426	70,552	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	24,865	35,533	40,170	No	No	No	Postsecondary nondegree award	No	No	No

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33-9021	Private Detectives and Investigators	30,574	45,220	55,109	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	22,940	31,839	36,083	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	21,740	30,653	35,350	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	19,063	25,772	28,751	No	No	No	No formal educational credential	No	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	17,798	26,423	29,026	No	No	No	No formal educational credential	No	Yes	No
33-9093	Transportation Security Screeners	32,820	38,924	41,554	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	18,990	32,023	36,816	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	53,878	72,992	78,935	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	19,347	28,679	33,747	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,798	20,258	20,657	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	20,859	27,837	30,011	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2013	Cooks, Private Household	19,292	27,642	32,426	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	18,845	22,410	23,750	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	18,028	24,342	27,825	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	19,861	27,999	32,930	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	18,567	25,181	26,583	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,439	24,523	26,300	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,749	22,034	22,902	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,457	23,482	25,491	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	17,349	21,914	23,527	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	17,203	21,263	22,711	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	18,246	22,012	24,545	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	17,267	21,703	23,572	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	17,340	25,204	28,173	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	27,624	44,385	50,844	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	29,624	44,486	56,135	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	18,873	28,069	31,680	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	18,824	22,467	24,493	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	19,778	33,452	48,336	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	22,381	35,927	42,819	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	19,780	28,302	32,413	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	20,740	31,188	36,073	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	20,374	33,104	41,664	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	23,994	32,847	36,330	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	33,452	51,361	60,590	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	27,084	53,995	69,753	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	20,044	36,449	41,902	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	18,459	23,357	23,684	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	16,891	22,995	25,946	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners										
39-3019	Gambling Service Workers, All Other										
39-3021	Motion Picture Projectionists										
39-3031	Ushers, Lobby Attendants, and Ticket Takers	17,468	23,352	25,928	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,592	20,578	21,505	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants										
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	17,835	25,350	28,897	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	17,368	23,856	27,761	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	31,069	52,167	53,157	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	19,521	27,468	29,026	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	29,026	50,307	56,191	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-5011	Barbers	20,081	29,154	34,690	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	17,688	27,898	32,398	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance										
39-5092	Manicurists and Pedicurists	18,587	24,782	27,293	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	17,652	24,131	27,843	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,311	33,076	38,191	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	17,258	22,885	26,111	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	19,301	26,588	29,520	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	20,227	29,988	32,884	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	18,638	22,894	22,919	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	17,578	35,258	44,670	No	No	No	Postsecondary nondegree award	No	No	Yes
39-9032	Recreation Workers	20,618	29,144	31,452	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	19,091	28,686	34,259	No	No	No	Some college, no degree	No	No	Yes
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	17,267	25,864	28,631	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	26,462	37,467	42,049	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	62,082	87,961	104,096	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	18,814	21,930	23,776	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	17,404	26,230	32,426	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	21,032	26,219	29,245	No	No	No	No formal educational credential	Yes	No	No
41-2022	Parts Salespersons	20,892	32,810	37,954	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,017	27,007	30,188	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	20,291	51,883	67,161	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	25,167	56,429	60,187	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	32,472	71,166	77,637	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-3041	Travel Agents	18,321	37,036	45,541	No	No	No	Some college, no degree	No	Yes	Yes

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May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	30,882	58,597	71,357	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	24,362	41,448	49,247	No	No	No	Bachelor's degree	No	No	No
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	25,771	58,472	70,322	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	18,972	35,963	45,229	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models										
41-9021	Real Estate Brokers	24,507	61,241	63,752	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	18,321	56,016	64,760	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	51,425	102,346	132,168	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	18,046	25,488	28,036	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,230	25,268	27,449	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	18,651	33,095	35,689	No	No	No	Some college, no degree	No	Yes	Yes
43-1011	First-Line Supervisors of Office and Administrative Support Workers	33,318	51,694	58,574	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	19,375	28,063	31,436	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	22,115	28,787	29,905	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	27,064	37,457	44,285	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	24,388	34,378	37,641	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	26,811	38,040	47,070	No	No	No	High school diploma or equivalent	Yes	No	Yes
43-3031	Bookkeeping, Accounting, and Auditing Clerks	24,810	38,367	46,198	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	18,183	25,625	28,961	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	26,991	40,463	46,943	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	26,243	40,025	47,586	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	24,810	32,078	35,899	No	No	No	High school diploma or equivalent	No	No	No
43-3099	Financial Clerks, All Other	28,082	42,929	50,188	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	32,398	49,775	59,463	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks										
43-4031	Court, Municipal, and License Clerks	25,350	37,580	41,957	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	26,084	39,703	45,550	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	19,329	33,442	39,987	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	24,581	33,223	39,629	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	23,858	30,973	34,737	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	20,540	24,577	25,711	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	21,945	34,084	38,802	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	18,367	26,056	29,126	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	23,921	39,739	47,649	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-4141	New Accounts Clerks	27,303	37,302	42,425	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	21,171	32,187	36,486	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	25,094	37,338	43,662	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	19,854	28,004	30,965	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	21,758	38,612	53,404	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
43-4199	Information and Record Clerks, All Other	31,218	44,626	49,308	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
43-5011	Cargo and Freight Agents	24,846	40,803	47,053	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-5021	Couriers and Messengers	19,671	34,077	45,390	No	No	No	High school diploma or equivalent	No	No	Yes
43-5031	Public Safety Telecommunicators	23,128	29,697	32,750	No	No	No	High school diploma or equivalent	No	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	21,458	29,555	31,739	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	24,150	38,411	45,385	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-5051	Postal Service Clerks	44,991	52,802	62,992	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,608	52,559	67,189	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	31,564	47,301	57,721	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	29,735	41,616	48,487	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	24,016	35,243	42,123	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	24,315	33,626	38,172	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	27,292	39,768	49,436	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	27,504	43,589	53,075	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	22,478	31,137	36,145	No	No	No	Some college, no degree	Yes	Yes	Yes
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	23,489	35,682	40,064	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	20,154	30,171	34,561	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	20,309	29,827	36,067	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	26,368	48,501	53,001	No	Yes	Yes	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	25,360	38,557	43,598	No	No	No	High school diploma or equivalent	Yes	Yes	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	18,862	28,998	34,130	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	19,261	30,788	35,254	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	18,660	30,602	35,569	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	24,388	38,795	51,434	No	No	Yes	Bachelor's degree	No	No	No
43-9111	Statistical Assistants										
43-9199	Office and Administrative Support Workers, All Other	19,129	32,972	39,576	No	No	No	Some college, no degree	No	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	28,686	51,104	56,264	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	18,797	34,195	43,259	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	20,044	36,449	41,902	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	23,499	31,069	34,882	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	21,244	30,749	35,148	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	17,404	22,546	23,426	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	19,228	29,548	37,870	No	No	No	No formal educational credential	No	Yes	Yes

Workforce Region 7 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
45-2099	Agricultural Workers, All Other	19,179	34,220	45,390	No	No	No	No formal educational credential	No	Yes	Yes
45-3031	Fishing and Hunting Workers	19,228	29,548	37,870	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	33,214	37,925	41,206	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	25,130	34,424	37,751	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	25,916	34,086	39,417	No	No	No	High school diploma or equivalent	Yes	No	No
45-4023	Log Graders and Scalers	21,162	30,547	35,569	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,083	43,433	54,706	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	35,202	54,616	66,119	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	32,142	47,566	55,815	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	26,936	39,217	45,715	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2022	Stonemasons	30,162	36,248	39,941	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	26,627	38,961	40,125	No	No	No	Postsecondary nondegree award	Yes	Yes	No
47-2041	Carpet Installers	17,157	29,887	38,557	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,014	36,660	47,750	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	23,976	32,811	37,476	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	24,058	36,000	41,875	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	29,449	42,678	54,271	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	31,179	41,050	46,164	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	22,083	37,090	44,788	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	24,507	34,424	37,063	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators										
47-2073	Operating Engineers and Other Construction Equipment Operators	25,841	32,758	36,887	No	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	21,290	34,240	41,802	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	17,331	37,686	46,182	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	32,752	42,465	46,385	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	24,929	38,731	46,604	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	25,158	36,101	42,443	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	26,817	36,559	42,287	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	24,590	34,543	37,567	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	30,263	43,882	56,172	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	25,864	36,092	41,087	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	30,586	45,461	52,753	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	20,951	34,625	41,893	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	28,989	41,673	47,924	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	20,603	33,452	41,096	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	21,751	33,612	39,052	No	No	No	High school diploma or equivalent	No	No	No
47-2221	Structural Iron and Steel Workers	25,075	40,482	47,832	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	23,380	33,095	37,017	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20,355	27,953	32,737	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	20,502	29,768	34,818	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	20,841	28,604	32,967	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	18,972	25,873	30,144	No	No	No	No formal educational credential	No	No	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	21,400	28,677	32,197	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	22,638	31,344	35,881	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	21,134	28,952	33,306	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	32,948	56,026	68,288	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	37,971	71,175	89,615	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	23,582	35,276	43,332	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	24,764	36,477	43,259	No	No	No	High school diploma or equivalent	No	No	No
47-4051	Highway Maintenance Workers	21,180	32,554	37,329	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	31,390	44,129	50,600	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	23,637	35,074	37,870	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	25,075	35,661	40,344	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	31,500	41,490	46,961	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas										
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	24,012	37,806	43,827	No	No	No	High school diploma or equivalent	No	No	No
47-5041	Continuous Mining Machine Operators										
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining										
47-5051	Rock Splitters, Quarry										
47-5071	Roustabouts, Oil and Gas	31,500	41,490	46,961	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	21,721	31,436	36,761	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	24,251	42,031	48,868	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other										
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	35,697	57,938	66,485	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	22,738	36,064	43,598	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	28,732	52,928	67,519	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	31,289	52,515	67,033	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	31,225	53,991	65,603	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	25,946	39,749	47,035	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	30,996	50,481	63,587	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 7 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	32,160	50,307	59,261	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	38,915	65,805	83,566	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	23,407	34,873	41,609	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	22,243	40,326	51,187	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	26,001	41,453	50,233	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	31,482	62,432	81,239	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-3021	Automotive Body and Related Repairers	26,841	39,888	48,266	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	20,053	34,369	39,629	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	23,805	36,730	40,602	No	No	No	Postsecondary nondegree award	No	No	No
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	29,512	40,101	45,891	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	24,361	38,960	47,236	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	31,791	44,677	51,881	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	33,526	51,416	58,317	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	25,909	45,917	58,024	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	23,517	33,801	39,785	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	27,562	35,830	39,867	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	20,484	27,577	31,372	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	25,085	44,019	55,595	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	19,329	28,751	33,984	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	22,298	36,953	43,470	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	28,925	46,540	55,173	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	32,737	39,328	43,972	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9031	Home Appliance Repairers	24,269	37,173	44,441	No	No	No	Postsecondary nondegree award	No	No	Yes
49-9041	Industrial Machinery Mechanics	32,694	52,624	69,892	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	31,680	37,855	42,336	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-9044	Millwrights	29,475	45,990	56,713	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	31,170	54,623	71,020	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	27,972	42,177	47,942	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	17,826	38,071	50,398	No	No	Yes	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	25,167	47,163	59,004	No	Yes	Yes	Associate's degree	No	No	Yes
49-9063	Musical Instrument Repairers and Tuners	21,767	32,371	36,898	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers										
49-9069	Precision Instrument and Equipment Repairers, All Other	35,175	52,140	59,756	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	20,374	35,172	42,721	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	41,279	67,592	82,118	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	17,918	28,265	34,176	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	31,106	46,155	46,879	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	24,021	37,641	46,320	No	No	No	High school diploma or equivalent	No	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	22,112	28,886	31,673	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	29,887	45,119	54,623	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	36,394	60,782	73,173	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	26,716	31,844	36,003	No	No	No	High school diploma or equivalent	Yes	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	22,289	37,256	44,643	No	No	No	High school diploma or equivalent	No	No	Yes
51-1011	First-Line Supervisors of Production and Operating Workers	34,881	54,000	63,773	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	17,661	37,870	48,932	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	17,203	32,857	45,843	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	19,815	30,364	34,680	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	23,472	27,807	29,172	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	23,563	33,471	38,273	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	23,829	33,012	36,752	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	20,786	28,572	33,531	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	19,292	27,642	32,426	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	19,280	25,393	29,367	No	No	No	No formal educational credential	No	No	No
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	19,943	28,567	33,920	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	20,548	26,239	28,806	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	23,499	31,069	34,882	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,174	27,889	32,233	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	17,853	25,763	29,915	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	19,430	25,085	28,137	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	23,664	32,664	37,091	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	24,260	32,765	36,257	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	24,425	33,608	39,309	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,117	29,942	34,864	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30,730	50,545	61,717	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,346	30,061	35,019	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,162	34,946	41,087	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	31,005	40,839	46,347	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 7 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-4041	Machinists	25,259	39,923	47,722	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	28,155	38,915	45,257	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4052	Pourers and Casters, Metal	24,076	38,007	45,559	No	No	No	High school diploma or equivalent	No	No	Yes
51-4061	Model Makers, Metal and Plastic										
51-4062	Patternmakers, Metal and Plastic										
51-4071	Foundry Mold and Coremakers										
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	19,448	30,804	36,183	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	32,828	41,496	40,393	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4111	Tool and Die Makers	27,431	48,895	57,730	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	28,067	41,975	39,446	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	23,142	32,692	37,540	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	20,557	31,995	36,797	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	26,340	42,031	52,286	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	26,212	35,698	38,640	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	24,131	33,003	36,568	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	19,531	31,418	35,716	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	20,951	35,496	42,379	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	18,568	31,518	37,815	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	19,228	29,227	35,221	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,535	23,121	25,666	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	17,551	22,427	25,460	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	17,615	25,662	29,053	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	18,156	28,412	34,195	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders										
51-6051	Sewers, Hand	19,430	26,157	31,161	No	No	No	No formal educational credential	No	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	18,357	27,238	31,839	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders										
51-6062	Textile Cutting Machine Setters, Operators, and Tenders										
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders										
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	19,320	41,472	64,558	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	34,937	63,165	75,254	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers										
51-6093	Upholsterers	22,106	35,762	42,461	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,148	25,259	30,859	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	22,995	34,323	40,693	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	18,248	33,837	41,939	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	19,488	26,942	30,137	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	20,390	30,039	34,810	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	20,933	37,430	52,103	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators										
51-8012	Power Distributors and Dispatchers	46,595	74,585	93,501	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	41,279	67,592	82,118	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	35,789	53,432	60,306	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	25,708	44,597	54,202	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	29,209	47,631	57,978	Yes	Yes	Yes	Associate's degree	No	No	Yes
51-8092	Gas Plant Operators	30,336	43,955	52,800	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	27,862	47,016	54,724	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	35,918	54,908	58,812	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	24,526	40,986	51,837	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	22,619	35,175	42,370	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	21,904	33,021	38,044	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,134	30,758	34,854	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	23,362	33,516	37,457	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	19,247	32,490	38,722	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	21,483	31,977	37,549	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	21,859	31,152	35,386	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,098	30,208	34,772	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	24,758	38,003	44,244	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	22,408	41,462	52,891	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	20,273	38,832	47,475	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	23,444	42,296	49,702	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	20,227	31,418	35,459	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	20,207	30,098	33,797	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,073	30,107	38,823	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	24,104	36,678	41,820	No	No	No	High school diploma or equivalent	No	No	No
51-9141	Semiconductor Processing Technicians										

Workforce Region 7 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-9151	Photographic Process Workers and Processing Machine Operators	22,170	38,520	46,164	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9161	Computer Numerically Controlled Tool Operators	24,260	36,403	43,185	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	32,536	49,894	58,546	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	19,778	31,793	38,530	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	21,941	31,803	36,532	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	19,897	34,048	42,067	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,129	24,489	30,437	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	21,950	31,115	35,294	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	23,582	33,736	37,961	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders										
51-9198	Helpers--Production Workers	26,234	33,744	38,163	No	No	No	High school diploma or equivalent	Yes	No	No
51-9199	Production Workers, All Other	18,976	26,615	25,308	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	31,894	58,335	72,413	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	33,224	54,887	67,938	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	89,982	210,548	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	39,529	115,882	145,128	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	63,706	112,409	139,308	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	23,297	42,736	55,366	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	28,228	53,377	61,653	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,090	26,743	29,026	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,025	27,224	31,579	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	24,263	42,733	52,479	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	23,960	41,332	48,371	No	No	No	High school diploma or equivalent	No	Yes	Yes
53-3052	Bus Drivers, Transit and Intercity	22,097	33,718	39,135	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19,063	22,688	24,227	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	18,422	28,091	33,608	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	49,079	61,625	67,885	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	49,528	62,230	70,836	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	31,858	52,048	62,221	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	49,528	62,230	70,836	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	20,520	38,667	54,495	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-4099	Rail Transportation Workers, All Other	26,551	50,728	66,217	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	21,849	37,714	44,689	No	No	No	High school diploma or equivalent	No	No	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	20,493	74,337	96,938	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators										
53-5031	Ship Engineers	30,153	67,262	82,393	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	23,545	36,605	44,945	No	No	No	High school diploma or equivalent	No	No	Yes
53-6021	Parking Attendants	17,468	22,638	26,001	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	18,504	25,479	28,641	No	No	No	No formal educational credential	No	No	No
53-6041	Traffic Technicians	26,404	43,873	50,921	No	Yes	Yes	Associate's degree	No	No	No
53-6051	Transportation Inspectors	48,235	84,758	112,253	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,230	22,537	24,296	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	20,667	30,428	35,652	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	18,339	31,134	37,347	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	32,811	55,961	68,023	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators										
53-7041	Hoist and Winch Operators										
53-7051	Industrial Truck and Tractor Operators	25,265	36,951	36,470	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	20,590	28,965	35,534	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,288	34,210	40,779	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	18,339	29,759	35,569	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	17,954	23,252	24,058	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	20,517	27,688	30,509	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	18,605	37,329	44,469	No	No	No	High school diploma or equivalent	No	No	Yes
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	19,681	32,525	38,413	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders										
53-7199	Material Moving Workers, All Other	20,841	39,052	49,683	No	No	Yes	No formal educational credential	Yes	Yes	Yes

Workforce Region 8 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
11-1011	Chief Executives	49,814	195,054	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	42,483	107,619	137,420	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	19,592	74,128	103,513	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-2011	Advertising and Promotions Managers	41,585	112,602	147,565	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2021	Marketing Managers	63,856	142,874	193,287	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	37,969	125,111	164,460	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2030	Public Relations and Fundraising Managers	55,332	99,119	120,442	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	47,278	98,351	122,297	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	71,974	136,354	157,458	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	64,261	131,881	160,110	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	65,686	116,363	142,914	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	60,355	112,434	134,819	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	53,595	100,976	123,491	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	70,501	113,645	129,708	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	50,542	104,313	125,203	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	52,829	98,472	124,175	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	35,348	75,994	80,565	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9021	Construction Managers	53,214	94,006	110,019	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	35,198	48,036	54,428	Yes	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	51,895	79,817	93,100	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9033	Education Administrators, Postsecondary	52,982	93,732	110,714	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	50,703	76,623	90,050	Yes	Yes	Yes	Master's degree	No	No	No
11-9041	Architectural and Engineering Managers	62,411	132,350	160,622	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	27,996	51,032	57,012	No	Yes	No	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	44,060	84,181	92,578	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	53,770	67,083	71,356	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9111	Medical and Health Services Managers	55,457	108,138	120,486	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	51,712	91,563	114,462	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	71,527	95,234	105,030	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	19,441	55,229	65,371	No	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	42,556	66,008	75,763	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9161	Emergency Management Directors	47,539	101,901	144,771	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	45,075	70,515	78,187	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	47,782	104,691	132,916	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	32,632	81,828	98,402	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	38,898	67,267	82,151	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	40,635	68,003	84,946	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	46,901	65,732	77,075	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	35,491	69,290	92,066	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	42,815	61,373	71,292	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1071	Human Resources Specialists	36,705	58,714	72,373	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	55,336	79,544	94,692	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
13-1081	Logisticians	38,829	69,120	85,034	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	43,069	83,416	100,739	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	33,931	54,980	55,646	Yes	Yes	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	35,793	58,001	69,250	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	38,609	59,247	71,258	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	20,041	58,930	77,903	No	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	31,660	60,723	74,671	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	33,766	69,561	87,241	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	38,070	67,459	80,470	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	18,542	49,392	61,829	No	No	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	42,604	73,288	86,240	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	42,265	75,932	83,965	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2052	Personal Financial Advisors	37,068	91,488	116,437	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	36,217	73,713	88,961	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	50,236	92,597	112,518	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	32,533	48,711	52,713	Yes	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	33,809	66,410	84,583	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	27,541	45,340	53,335	No	No	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	22,595	38,002	49,290	No	No	No	Postsecondary nondegree award	No	No	No
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	43,080	79,532	88,894	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
15-1211	Computer Systems Analysts	45,007	78,777	95,761	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1212	Information Security Analysts	56,491	91,801	107,334	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	71,724	107,806	129,382	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	40,324	73,325	92,147	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	32,406	51,521	62,126	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	57,163	101,776	125,095	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	43,988	78,112	97,131	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
15-1245	Database Administrators and Architects	44,833	88,562	115,912	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	54,209	79,781	97,255	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	49,927	95,072	112,443	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	38,419	71,871	89,208	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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15-1299	Computer Occupations, All Other	33,137	80,020	97,135	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2011	Actuaries	69,717	119,720	136,228	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	67,358	100,975	114,192	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	34,312	60,287	76,037	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2041	Statisticians	35,702	79,320	98,027	Yes	Yes	Yes	Master's degree	No	No	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	53,612	79,626	96,277	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	47,437	89,378	111,721	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	44,204	66,766	77,782	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1021	Cartographers and Photogrammetrists	55,489	75,022	90,990	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	33,756	62,269	79,282	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	62,350	95,809	113,990	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	41,822	77,151	95,399	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2031	Bioengineers and Biomedical Engineers	59,621	87,155	104,638	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	45,619	103,300	143,912	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	57,462	99,218	118,620	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	53,951	82,024	99,851	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	65,125	96,036	112,317	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	58,814	89,869	106,948	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	59,434	96,893	112,513	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	45,115	90,721	115,118	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	54,776	89,762	113,241	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	57,821	111,536	149,740	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	50,230	87,254	108,510	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	53,793	80,456	96,247	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	70,303	112,987	138,302	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	82,325	103,834	117,281	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	70,763	153,700	188,971	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	59,550	94,054	115,546	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	25,122	51,537	64,289	No	Yes	Yes	Associate's degree	No	No	Yes
17-3012	Electrical and Electronics Drafters	35,709	57,146	67,092	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3013	Mechanical Drafters	41,648	58,621	63,310	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
17-3019	Drafters, All Other	32,087	52,783	60,854	Yes	Yes	Yes	Associate's degree	No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	38,781	72,418	85,641	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	33,122	56,533	63,980	Yes	Yes	Yes	Associate's degree	No	Yes	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	59,964	80,184	93,005	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	31,742	50,822	58,980	Yes	Yes	Yes	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	26,344	34,194	37,396	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	35,916	60,178	74,688	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	38,061	70,508	88,908	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3031	Surveying and Mapping Technicians	26,805	42,799	51,001	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	41,875	73,940	86,961	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	39,766	61,964	74,177	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	30,700	55,633	70,017	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	30,451	69,108	93,792	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1021	Biochemists and Biophysicists	42,176	76,405	87,011	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	34,631	60,070	73,335	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	32,864	53,573	57,165	Yes	Yes	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	43,247	85,161	92,065	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
19-1031	Conservation Scientists	26,198	43,196	49,816	No	No	No	Bachelor's degree	No	No	No
19-1032	Foresters	44,414	72,570	92,817	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1041	Epidemiologists	31,474	52,821	65,770	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	36,851	86,644	98,977	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1099	Life Scientists, All Other	48,221	99,760	125,114	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	81,933	139,804	158,740	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
19-2012	Physicists	111,430	227,524	158,740	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	82,612	98,597	102,387	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	35,223	59,874	70,752	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	47,503	98,698	128,346	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	33,738	67,432	76,181	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	53,488	74,346	89,503	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-2043	Hydrologists	44,864	91,573	107,612	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	64,022	98,555	118,606	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	62,423	107,893	114,051	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	28,223	69,127	91,143	No	Yes	Yes	Master's degree	No	No	No
19-3031	Clinical, Counseling, and School Psychologists	24,982	65,939	83,614	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	28,223	69,127	91,143	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	90,073	124,773	124,029	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
19-3041	Sociologists	50,726	72,455	87,891	Yes	Yes	Yes	Master's degree	No	No	No
19-3051	Urban and Regional Planners	41,546	72,190	88,591	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	35,798	58,870	66,000	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	61,218	80,393	93,056	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	23,881	56,034	82,287	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists	59,917	95,284	109,840	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	58,645	79,701	89,523	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
19-4010	Agricultural and Food Science Technicians	31,052	42,841	50,090	Yes	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	29,118	42,804	48,567	No	No	No	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	32,919	54,882	64,041	Yes	Yes	Yes	Associate's degree	No	Yes	No
19-4042	Environmental Science and Protection Technicians, Including Health	29,705	46,078	56,212	No	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	25,172	44,529	53,921	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	67,358	92,099	104,389	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	28,362	43,398	52,314	No	No	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	29,858	44,959	53,758	No	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	32,474	50,478	61,965	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	28,451	49,125	60,799	No	No	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	34,756	67,030	84,386	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	30,658	55,331	71,255	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	33,344	54,849	64,457	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	29,659	38,899	40,599	No	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	26,424	36,708	40,692	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	25,598	35,864	40,943	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	27,741	38,337	43,456	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	29,571	41,637	47,349	No	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	32,097	54,187	65,395	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	26,414	41,164	49,790	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	34,615	48,900	50,717	Yes	No	No	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	27,303	47,046	56,709	No	No	No	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	30,049	38,504	42,655	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	21,337	34,608	41,880	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	26,198	41,888	49,172	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	26,768	39,107	46,947	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	31,312	54,186	62,142	Yes	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	19,854	37,278	48,253	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	18,774	41,603	55,154	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	60,648	127,875	155,486	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
23-1012	Judicial Law Clerks	28,997	49,110	55,556	No	No	No	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	32,636	68,322	97,307	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	24,426	68,171	96,432	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	139,698	179,589	163,828	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	30,015	50,698	61,043	Yes	Yes	Yes	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	31,755	64,798	91,028	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	27,314	64,022	68,299	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	36,762	77,838	107,183	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	44,653	94,529	118,314	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	40,818	79,561	105,001	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	25,363	86,734	108,234	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	51,798	105,871	129,685	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	53,022	100,009	121,728	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	61,809	121,371	139,964	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	66,028	108,214	127,275	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	45,667	91,009	112,748	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	50,076	84,219	99,473	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	22,408	71,958	84,467	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	46,700	90,607	114,488	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	55,700	89,029	100,602	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	41,516	76,903	93,410	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	56,905	104,408	122,790	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	50,229	83,607	98,478	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	50,679	90,091	101,501	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	40,168	78,041	93,113	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	41,163	77,706	94,749	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	42,224	80,470	106,761	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	41,225	74,145	96,388	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	55,554	82,126	97,844	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	40,598	65,455	77,677	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	41,976	67,913	80,039	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	38,016	85,606	93,209	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	53,749	145,494	192,835	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	35,271	71,499	84,161	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	31,953	94,768	108,396	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	39,785	69,347	81,943	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	28,727	70,325	73,610	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	45,265	82,258	106,015	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	27,888	79,657	91,602	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	43,181	89,555	105,307	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	40,598	65,455	77,677	Yes	Yes	Yes	Master's degree	No	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	31,914	64,288	77,964	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	35,334	58,189	63,719	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	23,753	50,957	61,794	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	19,678	30,145	33,784	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	41,725	61,729	70,623	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	41,674	64,550	76,326	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	40,399	60,523	70,562	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	28,663	56,465	72,121	No	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	40,652	63,936	75,804	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	45,308	65,148	75,678	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	30,652	59,487	75,669	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	40,813	61,106	73,391	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	42,380	60,044	67,677	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	27,911	57,897	80,425	No	Yes	Yes	Bachelor's degree	No	No	No
25-2059	Special Education Teachers, All Other	36,461	57,579	68,962	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	26,537	34,944	39,253	No	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	18,967	38,473	52,261	No	No	No	Some college, no degree	No	No	Yes
25-3031	Substitute Teachers, Short-Term	18,952	28,852	32,237	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	24,734	52,203	64,652	No	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	33,362	41,481	46,517	Yes	No	No	Master's degree	No	No	No
25-4012	Curators	36,312	50,847	58,536	Yes	Yes	No	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	21,872	39,460	47,542	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	40,338	58,572	64,626	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	25,333	45,361	52,561	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	25,317	48,888	64,190	No	No	Yes	Master's degree	No	No	No
25-9031	Instructional Coordinators	28,946	54,572	64,581	No	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	18,777	28,216	33,994	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	19,956	26,390	29,593	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	23,805	40,073	45,811	No	No	No	Bachelor's degree	No	No	No
27-1011	Art Directors	45,718	66,739	77,585	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1012	Craft Artists	17,540	31,350	37,643	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,382	45,352	60,721	No	No	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	40,463	59,363	68,949	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1019	Artists and Related Workers, All Other	29,055	81,962	100,200	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	42,288	67,535	80,073	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1022	Fashion Designers	30,977	59,841	69,204	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	21,464	29,844	36,097	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	32,531	53,482	63,686	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	19,110	46,164	61,848	No	No	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	25,813	37,481	42,844	No	No	No	Some college, no degree	Yes	No	No
27-1027	Set and Exhibit Designers	21,624	47,063	58,444	No	No	No	Bachelor's degree	No	No	No
27-1029	Designers, All Other	30,700	56,149	64,403	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	20,489	42,312	47,066	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	33,969	57,713	68,463	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	17,903	67,903	79,877	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	19,492	34,770	42,336	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	22,121	46,291	59,893	No	No	Yes	Some college, no degree	No	Yes	Yes
27-2031	Dancers	19,256	52,915	77,701	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	17,664	37,232	56,541	No	No	No	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	19,120	56,171	83,712	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,512	43,160	52,374	No	No	No	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,123	24,895	28,969	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	29,061	85,236	107,831	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-3023	News Analysts, Reporters, and Journalists	30,498	62,939	71,589	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	33,848	62,522	77,608	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	28,587	52,032	61,747	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	48,633	83,303	110,084	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-3043	Writers and Authors	33,111	61,201	50,916	Yes	Yes	No	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	31,527	50,549	65,357	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,544	48,919	80,393	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	31,214	42,242	49,990	Yes	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	21,063	43,334	50,489	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	19,008	44,667	52,822	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	22,580	54,045	62,079	No	Yes	Yes	Associate's degree	No	No	No
27-4021	Photographers	18,482	31,760	37,353	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	22,398	47,685	59,296	No	No	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	35,450	67,739	77,041	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	21,032	49,564	68,281	No	No	Yes	Associate's degree	No	No	Yes
29-1011	Chiropractors	37,165	90,194	82,284	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	58,017	152,947	207,130	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	61,055	224,740	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	85,653	173,028	198,927	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	76,769	205,497	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	54,772	167,663	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	44,811	67,959	74,686	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041	Optometrists	26,886	110,267	190,938	No	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1051	Pharmacists	62,569	116,020	132,912	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1071	Physician Assistants	69,814	108,882	133,689	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	41,344	104,375	124,246	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1122	Occupational Therapists	56,180	87,409	101,130	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	55,531	83,230	98,127	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	55,799	76,304	84,621	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	41,618	50,280	56,894	Yes	Yes	No	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	47,729	60,089	64,877	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	54,074	83,812	97,880	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	34,773	47,111	55,241	Yes	No	No	Master's degree	No	No	No
29-1129	Therapists, All Other	41,501	52,774	54,973	Yes	Yes	No	Bachelor's degree	No	No	No
29-1131	Veterinarians	64,286	97,893	115,771	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	49,840	67,734	76,336	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	134,185	169,530	183,031	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,945	64,584	94,701	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	78,520	102,731	117,931	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	26,886	41,207	39,358	No	No	No	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	130,240	259,600	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	110,424	202,995	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	54,702	290,116	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	111,468	249,808	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	56,264	151,366	188,617	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	141,691	234,820	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	124,699	250,699	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	49,741	234,151	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	42,075	62,508	74,461	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	19,268	63,940	85,669	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	29,572	53,111	66,399	No	Yes	Yes	Associate's degree	No	No	Yes
29-2031	Cardiovascular Technologists and Technicians	26,552	49,596	66,977	No	No	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	54,824	74,934	82,053	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	61,099	76,829	85,614	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	41,788	56,644	64,329	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	45,252	66,128	77,603	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	21,362	31,482	37,345	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	18,917	27,798	31,454	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	25,603	36,057	38,523	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	21,028	27,225	30,096	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	33,825	44,538	50,051	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
29-2056	Veterinary Technologists and Technicians	25,989	31,700	35,889	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	26,195	39,164	46,174	No	No	No	Postsecondary nondegree award	No	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	36,375	47,100	50,797	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
29-2081	Opticians, Dispensing	24,843	37,865	43,782	No	No	No	Postsecondary nondegree award	No	No	No
29-2091	Orthotists and Prosthetists	35,520	73,125	86,371	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	30,452	54,500	69,816	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	26,980	41,272	47,798	No	No	No	Postsecondary nondegree award	No	No	No
29-9091	Athletic Trainers	34,232	53,286	59,470	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	56,895	77,180	88,962	Yes	Yes	Yes	Master's degree	Yes	No	No
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	29,100	56,325	70,538	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	20,318	25,627	28,288	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,525	27,880	31,352	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	21,466	27,538	30,367	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	24,455	28,711	30,604	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	46,211	66,837	79,256	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	18,640	27,113	30,843	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	38,272	63,561	75,798	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	21,865	27,780	32,001	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	21,008	44,907	57,612	No	No	No	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	33,201	42,066	48,700	Yes	No	No	Postsecondary nondegree award	Yes	No	No
31-9092	Medical Assistants	27,476	35,449	39,637	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	23,680	34,625	40,241	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	27,454	44,212	50,996	No	No	No	Postsecondary nondegree award	No	Yes	No
31-9095	Pharmacy Aides	19,514	33,743	39,941	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	20,496	27,148	33,495	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	27,206	35,465	39,570	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	24,679	40,093	49,020	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	35,570	57,470	72,667	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	57,136	94,625	118,098	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	52,433	73,339	86,333	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	27,184	44,188	57,441	No	No	No	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	27,927	43,605	51,713	No	No	No	Postsecondary nondegree award	No	No	No
33-2021	Fire Inspectors and Investigators	36,598	53,161	61,197	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	28,357	33,521	36,620	No	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	21,465	33,993	39,023	No	No	No	High school diploma or equivalent	No	No	No
33-3012	Correctional Officers and Jailers	33,307	47,185	55,906	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	36,254	82,789	129,240	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	20,285	27,219	29,399	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	26,500	35,250	37,238	No	No	No	High school diploma or equivalent	No	No	No
33-3051	Police and Sheriff's Patrol Officers	39,319	59,707	73,035	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	43,047	62,012	73,622	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	28,844	36,082	38,923	No	No	No	Postsecondary nondegree award	Yes	No	No

Workforce Region 8 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
33-9021	Private Detectives and Investigators	30,037	58,991	80,060	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	23,938	33,225	37,653	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	20,084	27,003	29,257	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	20,733	26,113	27,415	No	No	No	No formal educational credential	Yes	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	19,443	23,882	25,836	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	35,807	41,955	43,983	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	21,553	36,076	40,815	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	28,874	48,275	56,355	No	No	No	Associate's degree	No	No	No
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	21,727	34,622	41,441	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,586	21,271	23,109	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	19,222	26,694	30,451	No	No	No	No formal educational credential	No	No	Yes
35-2013	Cooks, Private Household	20,132	28,844	33,837	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	19,805	27,006	30,181	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	19,849	24,948	27,743	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	24,469	35,165	39,173	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	20,021	25,972	29,211	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,523	24,639	24,798	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,580	21,440	22,874	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,647	25,746	26,273	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	19,161	24,617	28,057	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,662	23,589	22,408	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	18,782	21,858	23,698	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,570	22,501	24,372	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	19,114	27,560	33,785	No	No	No	No formal educational credential	No	Yes	Yes
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	26,316	44,060	57,971	No	No	No	High school diploma or equivalent	No	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	34,748	51,977	60,120	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	18,928	25,076	27,054	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,552	26,014	28,681	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	20,639	34,908	50,439	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	23,451	37,470	43,024	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	23,026	30,435	34,478	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21,396	32,424	38,432	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	21,356	33,606	39,436	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	25,038	34,277	37,911	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	34,908	53,596	63,226	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	28,436	41,470	48,140	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	18,834	22,540	24,205	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	19,415	27,339	29,459	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	17,626	23,996	27,075	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,841	26,348	29,753	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,261	33,148	34,238	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	18,238	28,615	31,360	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	19,626	23,756	25,481	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,718	21,500	22,290	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	25,048	53,844	70,160	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	19,666	28,561	32,002	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,123	24,895	28,969	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	32,421	54,437	55,470	Yes	Yes	No	Associate's degree	No	No	No
39-4021	Funeral Attendants	21,787	29,072	30,913	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	37,232	52,506	54,343	Yes	Yes	No	Associate's degree	Yes	No	No
39-5011	Barbers	20,954	30,422	36,199	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	18,935	34,191	46,945	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	34,822	67,587	77,983	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	21,243	28,633	30,778	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	19,485	27,214	33,250	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	26,246	39,358	46,420	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	18,967	25,931	31,965	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	21,455	28,971	31,870	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	19,382	29,234	33,303	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,031	26,259	29,192	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	19,814	39,016	50,438	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	20,374	32,407	38,053	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	21,138	30,336	33,524	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	18,564	30,009	35,911	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	27,505	44,067	53,817	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	47,600	82,960	100,369	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,055	23,491	25,477	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,162	27,372	33,837	No	No	No	No formal educational credential	No	Yes	Yes
41-2021	Counter and Rental Clerks	19,590	32,980	39,655	No	No	No	No formal educational credential	No	Yes	Yes
41-2022	Parts Salespersons	20,433	32,568	36,377	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,449	26,885	30,165	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	20,094	49,577	62,667	No	No	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	29,975	64,101	72,825	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	35,909	66,376	73,390	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	20,942	36,283	46,211	No	No	No	Some college, no degree	No	No	Yes

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41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	26,244	64,472	78,107	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	33,139	116,246	184,221	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	33,261	69,084	84,308	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	22,209	37,969	48,585	No	No	No	No formal educational credential	Yes	Yes	Yes
41-9012	Models	19,797	37,528	47,197	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	25,574	63,905	66,526	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	22,612	68,211	118,617	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	56,311	91,954	111,107	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	20,021	26,753	29,576	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,980	26,367	28,644	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,185	36,963	33,238	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	33,717	58,958	68,775	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	19,063	27,944	30,726	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	23,077	30,040	31,207	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	28,242	39,087	46,212	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	26,217	34,698	38,783	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	27,259	36,122	40,495	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	26,115	42,078	49,023	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	18,975	26,740	30,222	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	28,637	42,869	50,225	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	34,902	45,260	51,297	Yes	No	No	Associate's degree	No	No	No
43-3071	Tellers	27,959	34,630	38,631	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	32,240	48,214	56,031	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	33,774	51,599	68,702	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	28,003	40,044	46,566	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	26,992	37,300	42,797	No	No	No	Some college, no degree	Yes	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	24,896	42,230	49,666	No	No	No	Some college, no degree	No	Yes	Yes
43-4051	Customer Service Representatives	25,165	37,172	40,700	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	26,994	45,131	57,474	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4071	File Clerks	21,561	31,649	37,186	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	19,591	24,565	27,692	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	23,929	34,950	38,967	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	20,220	32,200	34,780	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	34,263	46,282	52,919	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	33,491	42,917	49,037	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	24,197	34,226	36,556	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	29,315	40,139	46,204	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	20,419	30,318	34,807	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	28,365	45,623	60,806	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-4199	Information and Record Clerks, All Other	31,152	42,969	49,768	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5011	Cargo and Freight Agents	26,458	44,858	52,863	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-5021	Couriers and Messengers	22,936	29,048	31,579	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	28,925	42,094	47,016	No	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	27,323	40,355	47,703	No	No	No	High school diploma or equivalent	Yes	No	No
43-5041	Meter Readers, Utilities	23,269	55,474	75,562	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
43-5051	Postal Service Clerks	37,757	49,405	62,991	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,608	54,713	65,037	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	34,441	52,459	62,984	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	27,712	46,812	58,898	No	No	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	22,321	36,707	44,216	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	27,184	38,258	45,844	No	No	No	High school diploma or equivalent	Yes	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	30,189	52,258	65,193	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	28,840	45,647	55,271	No	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	26,633	35,113	39,314	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	24,403	37,902	44,330	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	21,545	31,032	36,620	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	18,617	26,681	31,575	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	29,619	37,893	40,798	No	No	No	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	29,043	43,247	46,780	No	No	No	High school diploma or equivalent	Yes	Yes	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	18,756	27,402	31,399	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	19,555	34,986	40,364	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	22,716	35,085	39,488	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	25,449	40,484	53,672	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	31,369	52,897	64,814	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	27,744	41,929	49,042	No	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	35,861	58,030	77,735	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	19,615	35,683	45,141	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	20,916	38,035	43,726	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	24,522	32,421	36,400	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	22,169	32,087	36,677	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	18,374	22,595	24,961	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	20,065	30,834	39,518	No	No	No	No formal educational credential	No	Yes	Yes

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45-2099	Agricultural Workers, All Other	18,802	27,735	28,022	No	No	No	No formal educational credential	No	Yes	No
45-3031	Fishing and Hunting Workers	20,065	30,834	39,518	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	34,659	39,575	42,999	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	26,224	35,922	39,393	No	No	No	High school diploma or equivalent	No	No	No
45-4022	Logging Equipment Operators	30,774	45,390	55,450	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
45-4023	Log Graders and Scalers	32,351	38,630	42,829	Yes	No	No	High school diploma or equivalent	Yes	No	No
45-4029	Logging Workers, All Other	18,869	45,323	57,086	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	37,476	64,321	74,161	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	33,540	49,636	58,244	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	33,036	40,154	46,014	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2022	Stonemasons	31,474	37,825	41,679	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	24,231	39,527	48,146	No	No	No	Postsecondary nondegree award	No	No	No
47-2041	Carpet Installers	17,903	31,188	40,235	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,972	38,255	49,827	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	25,019	34,238	39,106	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	31,492	38,781	43,041	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	19,265	37,487	44,240	No	No	No	No formal educational credential	No	Yes	Yes
47-2053	Terrazzo Workers and Finishers	32,536	42,836	48,173	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2061	Construction Laborers	21,704	35,025	39,291	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	26,744	34,966	39,599	No	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	32,201	48,441	57,708	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	22,201	38,843	45,645	No	No	No	High school diploma or equivalent	No	No	No
47-2081	Drywall and Ceiling Tile Installers	19,852	33,028	44,780	No	No	No	No formal educational credential	No	Yes	Yes
47-2082	Tapers	18,085	39,326	48,192	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	33,586	44,463	49,925	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
47-2121	Glaziers	31,141	45,664	49,804	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	31,936	42,483	48,880	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	26,625	36,823	43,376	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	27,963	36,660	39,757	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	31,580	45,791	58,617	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	28,014	37,537	41,354	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	26,034	46,577	49,574	No	No	No	Postsecondary nondegree award	No	Yes	No
47-2161	Plasterers and Stucco Masons	34,029	48,286	50,265	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	30,250	43,487	50,009	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2181	Roofers	22,110	31,988	36,513	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	24,032	45,734	56,889	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2221	Structural Iron and Steel Workers	41,728	50,255	54,937	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	24,397	34,535	38,628	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	21,241	29,170	34,162	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	23,745	32,995	37,515	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	21,897	29,439	33,890	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	21,711	30,453	36,705	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	23,166	29,987	33,172	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	23,623	32,708	37,442	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	24,455	32,454	37,616	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	35,797	53,391	63,073	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	39,623	74,272	93,515	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	26,836	35,143	38,406	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	27,786	38,158	45,467	No	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	26,196	34,824	39,909	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	32,756	46,050	52,802	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	26,047	30,276	31,466	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	28,852	38,715	43,909	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	22,666	32,804	38,360	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	32,871	43,295	49,005	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	23,852	51,845	67,014	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	32,434	39,129	43,596	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-5041	Continuous Mining Machine Operators	34,717	55,250	65,914	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	34,717	55,250	65,914	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	29,332	35,864	38,064	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	32,871	43,295	49,005	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	22,666	32,804	38,360	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	32,271	43,044	50,203	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	34,114	54,313	69,653	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	35,994	63,668	77,010	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	26,819	41,336	51,761	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	29,983	55,231	70,457	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	34,145	62,282	77,293	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	38,239	58,163	69,443	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	29,272	39,135	40,426	No	No	No	High school diploma or equivalent	Yes	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	32,345	52,677	66,354	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	43,686	58,477	64,566	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	54,858	66,612	66,526	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	22,760	36,268	46,545	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	23,211	42,081	53,414	No	No	No	Postsecondary nondegree award	No	No	Yes
49-2098	Security and Fire Alarm Systems Installers	28,578	46,435	58,158	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	41,257	58,388	66,834	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	19,305	39,808	49,543	No	No	No	Postsecondary nondegree award	No	No	No
49-3022	Automotive Glass Installers and Repairers	20,926	35,864	41,354	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	22,405	42,499	53,385	No	No	No	Postsecondary nondegree award	No	No	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	31,660	47,096	56,709	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	25,421	40,656	49,292	No	No	No	High school diploma or equivalent	No	No	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	35,083	48,373	55,991	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	34,984	53,653	60,854	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	23,669	35,799	44,600	No	No	No	Postsecondary nondegree award	No	No	No
49-3052	Motorcycle Mechanics	24,541	35,271	41,516	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	28,678	38,497	44,536	No	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	21,375	28,777	32,737	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	25,141	45,379	59,891	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-3093	Tire Repairers and Changers	20,987	31,094	37,706	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	23,269	38,561	45,361	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	36,590	51,034	59,019	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	32,596	49,235	59,393	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	19,259	33,165	40,245	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	33,008	50,421	60,118	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	18,998	38,183	51,111	No	No	No	High school diploma or equivalent	No	No	Yes
49-9044	Millwrights	42,102	57,511	67,985	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	22,905	32,469	36,830	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	38,841	67,206	86,907	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	49,361	64,023	68,618	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	18,602	39,728	52,591	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	33,576	61,620	81,994	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-9063	Musical Instrument Repairers and Tuners	22,714	33,779	38,504	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,983	41,899	52,037	No	No	No	High school diploma or equivalent	No	No	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	49,518	58,936	66,293	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	25,957	41,185	49,776	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	43,075	70,533	85,692	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	19,178	29,771	39,432	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	37,339	46,027	50,209	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9094	Locksmiths and Safe Repairers	27,865	42,053	55,468	No	No	No	High school diploma or equivalent	Yes	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	20,428	28,118	30,728	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	37,947	55,876	65,870	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	37,978	63,427	76,357	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	21,739	33,081	38,956	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	26,466	43,497	50,574	No	No	No	High school diploma or equivalent	No	Yes	No
51-1011	First-Line Supervisors of Production and Operating Workers	30,720	59,416	74,228	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	18,598	37,416	56,511	No	No	No	Postsecondary nondegree award	No	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	17,951	34,286	47,838	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	25,635	36,034	40,164	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	24,493	29,017	30,442	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	24,621	37,235	45,088	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	23,930	34,437	40,015	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	20,504	32,738	38,486	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	21,893	29,936	33,663	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	26,606	39,718	49,282	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	21,489	30,591	35,822	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	21,442	27,381	30,059	No	No	No	No formal educational credential	Yes	Yes	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	24,522	32,421	36,400	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	20,003	28,662	30,885	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	18,630	26,884	31,216	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,275	26,176	29,361	No	No	No	No formal educational credential	Yes	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	25,633	34,516	39,422	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	25,315	34,191	37,834	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	25,488	35,070	41,019	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	24,023	33,269	38,297	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	32,067	52,744	64,403	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,187	33,269	40,044	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,083	36,467	42,875	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	32,354	42,616	48,364	Yes	No	No	Postsecondary nondegree award	Yes	No	No

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51-4041	Machinists	26,041	42,801	52,753	No	No	No	Postsecondary nondegree award	No	No	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	29,380	40,608	47,226	No	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	25,124	39,661	47,542	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	32,067	52,744	64,403	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	28,624	51,023	60,242	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	20,562	36,113	45,830	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	22,230	34,988	39,694	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	28,030	34,460	38,059	No	No	No	High school diploma or equivalent	Yes	No	No
51-4111	Tool and Die Makers	35,110	50,869	60,824	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	28,687	46,468	49,879	No	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	25,869	36,942	42,590	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	26,812	35,951	41,932	No	No	No	High school diploma or equivalent	Yes	No	No
51-4192	Layout Workers, Metal and Plastic	27,486	43,860	54,561	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	27,352	37,251	40,321	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,181	34,439	38,160	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	20,380	32,785	37,270	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	37,584	54,034	58,903	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-5112	Printing Press Operators	19,716	31,468	37,256	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	19,729	30,211	36,958	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	19,798	24,593	27,224	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	18,692	24,039	28,116	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	23,500	30,576	34,748	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	18,946	29,648	35,683	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,238	28,558	34,458	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,275	27,295	32,517	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	23,586	33,655	40,515	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	24,675	29,753	33,837	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20,256	30,021	35,233	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18,238	25,296	28,806	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,160	43,276	67,367	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	36,457	65,914	78,528	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	18,009	28,318	30,126	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	22,886	38,908	47,803	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,894	26,358	32,201	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	25,701	33,281	38,125	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	26,885	40,423	52,695	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-7031	Model Makers, Wood	28,624	51,023	60,242	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood	32,067	52,744	64,403	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	22,303	29,603	32,323	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	29,080	37,120	40,949	No	No	No	High school diploma or equivalent	Yes	No	No
51-7099	Woodworkers, All Other	21,844	39,059	54,370	No	No	No	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	67,358	92,099	104,389	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	48,622	77,830	97,570	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	60,784	78,081	87,486	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	53,496	61,979	65,730	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	35,372	60,053	74,596	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	30,480	49,703	60,501	Yes	No	Yes	Associate's degree	No	No	No
51-8092	Gas Plant Operators	31,656	45,868	55,097	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	44,540	53,396	59,030	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	28,675	68,788	94,908	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	22,431	40,893	49,410	No	No	No	High school diploma or equivalent	No	No	No
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	26,854	40,832	48,794	No	No	No	High school diploma or equivalent	Yes	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	27,722	40,217	47,085	No	No	No	High school diploma or equivalent	Yes	No	No
51-9022	Grinding and Polishing Workers, Hand	22,054	32,096	36,371	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	25,645	34,255	38,797	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	20,084	33,904	40,407	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	27,813	40,143	48,071	No	No	No	High school diploma or equivalent	Yes	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	26,363	35,025	44,328	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	28,240	34,732	38,825	No	No	No	High school diploma or equivalent	Yes	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	26,889	46,562	57,878	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	19,332	31,409	37,705	No	No	No	High school diploma or equivalent	No	No	No
51-9081	Dental Laboratory Technicians	28,101	47,071	54,423	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9082	Medical Appliance Technicians	29,770	56,233	71,982	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	24,287	34,652	38,880	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	20,493	30,391	34,696	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	20,318	26,003	25,050	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	25,521	38,554	45,278	No	No	No	High school diploma or equivalent	No	No	No
51-9141	Semiconductor Processing Technicians	27,152	39,996	46,891	No	No	No	High school diploma or equivalent	Yes	No	No

Workforce Region 8 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-9151	Photographic Process Workers and Processing Machine Operators	27,774	46,675	62,625	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9161	Computer Numerically Controlled Tool Operators	33,962	48,366	57,620	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9162	Computer Numerically Controlled Tool Programmers	38,269	53,308	61,665	Yes	Yes	Yes	Associate's degree	Yes	No	No
51-9191	Adhesive Bonding Machine Operators and Tenders	20,639	33,177	40,206	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,896	33,186	38,121	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	20,763	35,530	43,898	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,875	25,554	31,761	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	26,668	36,737	41,374	No	No	No	High school diploma or equivalent	Yes	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	26,385	35,981	41,696	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	25,086	36,094	43,821	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	19,924	29,275	32,958	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	20,878	31,727	36,222	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	26,903	50,271	76,571	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	34,902	57,824	70,238	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	79,270	92,085	103,381	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
53-2012	Commercial Pilots	69,822	105,841	128,847	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	75,919	135,209	156,897	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	33,492	55,049	66,629	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	29,457	55,700	64,336	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,860	25,371	27,284	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,747	25,392	31,480	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	26,458	45,016	54,538	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	20,990	38,943	48,081	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	20,748	32,923	40,631	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19,851	29,020	32,237	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,100	26,287	27,160	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	51,214	64,307	70,839	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	51,683	64,938	73,919	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	33,244	54,313	64,929	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	51,683	64,938	73,919	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	21,413	40,350	56,866	No	No	No	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	27,706	52,936	69,098	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	25,974	45,212	66,288	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	55,748	140,692	165,115	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	19,108	42,004	53,509	No	No	No	Postsecondary nondegree award	No	No	Yes
53-5031	Ship Engineers	30,815	71,099	87,455	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	24,569	38,198	46,901	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	18,854	24,034	26,663	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	18,832	27,079	28,815	No	No	No	No formal educational credential	No	No	No
53-6041	Traffic Technicians	36,876	53,835	50,858	Yes	Yes	No	Associate's degree	Yes	No	No
53-6051	Transportation Inspectors	71,166	99,403	119,871	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,980	23,517	25,354	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	22,041	29,474	34,014	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,137	32,488	38,972	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	33,279	55,104	64,518	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	32,651	46,078	53,500	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	25,803	39,747	41,775	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	28,115	40,256	47,144	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	20,946	28,630	31,418	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,036	31,008	35,773	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	21,244	30,955	32,612	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	20,279	26,674	28,581	No	No	No	No formal educational credential	Yes	No	No
53-7065	Stockers and Order Fillers	21,658	30,764	36,732	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	33,598	62,366	74,980	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	19,415	38,953	46,404	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	23,986	38,054	46,757	No	No	No	High school diploma or equivalent	No	No	No
53-7081	Refuse and Recyclable Material Collectors	23,010	41,845	48,813	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,137	32,488	38,972	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	21,956	46,854	70,341	No	No	Yes	No formal educational credential	Yes	Yes	Yes

Workforce Region 9 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
11-1011	Chief Executives	34,155	125,144	208,758	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1021	General and Operations Managers	34,899	102,482	130,032	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	18,791	73,922	103,725	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2011	Advertising and Promotions Managers	45,462	103,673	120,395	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	58,036	119,825	153,390	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	57,391	105,344	130,356	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	56,194	100,729	120,360	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	45,078	79,134	98,982	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	66,684	129,688	171,248	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	55,768	125,920	157,789	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	63,413	112,142	143,862	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	53,961	99,823	124,721	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	31,713	82,020	108,055	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3111	Compensation and Benefits Managers	61,762	99,833	118,297	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	61,199	103,391	111,571	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	64,687	91,156	105,536	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	34,623	74,437	78,914	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
11-9021	Construction Managers	54,007	88,076	109,430	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	29,587	47,487	49,119	No	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	37,765	66,490	81,793	Yes	Yes	Yes	Master's degree	No	No	No
11-9033	Education Administrators, Postsecondary	42,769	91,117	108,809	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9039	Education Administrators, All Other	23,689	44,912	50,703	No	No	No	Master's degree	No	No	No
11-9041	Architectural and Engineering Managers	86,494	128,953	159,761	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	28,174	54,260	60,903	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	43,157	82,455	90,680	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	36,663	60,070	64,696	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	72,570	119,333	139,946	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	50,097	92,772	125,643	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	71,887	83,803	94,957	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	20,755	57,534	70,352	No	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	46,166	69,102	78,415	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
11-9161	Emergency Management Directors	45,321	77,584	93,950	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	39,467	76,750	93,912	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	43,587	93,682	114,535	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	31,963	80,151	96,385	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	32,550	50,919	59,440	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	43,939	63,086	72,709	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	45,940	64,385	75,495	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	33,151	58,866	68,048	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	38,388	60,876	65,569	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	37,180	61,765	76,713	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	17,733	55,186	74,830	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	29,980	56,968	63,290	No	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	32,458	63,289	79,874	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1121	Meeting, Convention, and Event Planners	34,448	50,492	55,984	Yes	Yes	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	31,721	56,016	68,724	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	39,551	54,910	62,478	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1151	Training and Development Specialists	36,207	59,476	72,598	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	27,052	53,736	64,116	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	29,479	70,970	85,174	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2011	Accountants and Auditors	39,983	65,680	78,745	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2020	Property Appraisers and Assessors	40,540	54,153	54,536	Yes	Yes	No	Bachelor's degree	Yes	No	No
13-2031	Budget Analysts	38,351	71,173	86,192	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2041	Credit Analysts	44,318	69,651	82,374	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
13-2052	Personal Financial Advisors	56,023	207,293	118,418	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2053	Insurance Underwriters	43,145	70,146	82,841	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
13-2061	Financial Examiners	64,220	101,362	126,801	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	35,098	43,224	48,832	Yes	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	24,630	67,317	91,772	No	Yes	Yes	Bachelor's degree	No	No	Yes
13-2081	Tax Examiners and Collectors, and Revenue Agents	26,539	45,565	52,806	No	No	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	19,246	50,935	70,022	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	33,302	55,160	66,998	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	44,140	77,659	99,500	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	55,226	100,504	112,678	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	68,451	112,385	131,290	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	34,610	57,903	61,649	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	32,181	45,647	53,302	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	55,056	83,813	103,711	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	44,936	77,254	94,069	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1245	Database Administrators and Architects	48,394	88,657	112,225	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	43,607	73,596	88,700	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	40,077	84,774	110,431	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	25,074	59,811	73,467	No	Yes	Yes	Associate's degree	No	Yes	Yes

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15-1299	Computer Occupations, All Other	41,931	71,361	91,006	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2011	Actuaries	46,314	109,388	134,896	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	65,977	98,905	111,852	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	32,486	46,384	51,052	Yes	No	No	Bachelor's degree	No	No	No
15-2041	Statisticians	27,644	67,710	89,275	No	Yes	Yes	Master's degree	No	No	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	39,740	65,629	83,957	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
17-1011	Architects, Except Landscape and Naval	45,069	78,965	89,507	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	40,207	67,710	85,228	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
17-1021	Cartographers and Photogrammetrists	42,929	57,816	69,371	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	44,640	70,919	86,108	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2011	Aerospace Engineers	62,539	102,615	122,315	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	49,853	86,219	102,718	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	58,399	85,369	102,493	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	47,985	95,520	130,332	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	53,672	81,029	99,206	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	59,570	96,123	116,498	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	50,245	101,428	125,679	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	56,183	86,502	105,033	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	44,924	88,268	102,301	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	44,085	78,240	97,022	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	58,080	87,957	102,511	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	45,406	75,233	89,940	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	47,738	90,090	109,800	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	45,701	85,327	113,527	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	68,863	110,671	135,468	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	80,638	101,706	114,877	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	69,312	150,550	185,098	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	54,612	80,137	94,055	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	30,497	52,569	62,884	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3012	Electrical and Electronics Drafters	21,911	48,947	60,750	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	40,074	55,318	65,328	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	31,429	51,701	59,607	Yes	Yes	Yes	Associate's degree	No	Yes	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	38,146	64,319	82,961	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	27,023	54,398	62,500	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	40,683	58,222	65,062	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	31,092	49,780	57,771	Yes	Yes	Yes	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	30,200	51,483	61,059	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3026	Industrial Engineering Technologists and Technicians	32,468	51,274	62,338	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	29,406	51,832	66,821	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	28,130	40,277	46,926	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	39,444	56,367	66,929	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	38,951	60,694	72,657	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	30,071	54,492	68,582	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	29,827	67,692	91,870	No	Yes	Yes	Bachelor's degree	No	No	Yes
19-1021	Biochemists and Biophysicists	38,157	79,839	94,765	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	33,921	58,839	71,832	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	35,723	55,834	65,258	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	35,394	58,230	66,998	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	34,261	58,904	86,948	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1032	Foresters	46,960	68,433	85,980	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1041	Epidemiologists	30,829	51,738	64,422	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	41,865	72,182	68,244	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
19-1099	Life Scientists, All Other	47,232	97,716	122,550	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	80,254	136,939	155,487	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	80,254	136,939	155,487	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	55,457	92,732	108,994	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	41,936	74,377	89,956	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2032	Materials Scientists	46,530	96,676	125,716	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	38,281	66,943	78,610	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	39,928	72,684	93,479	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	43,944	89,697	105,406	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	44,478	109,763	128,489	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	49,546	88,413	99,720	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	27,644	67,710	89,275	No	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	34,108	78,127	109,201	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	27,644	67,710	89,275	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	43,195	91,748	108,254	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	49,687	70,970	86,090	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	42,794	65,919	77,157	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	30,829	51,738	64,422	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	59,963	78,746	91,149	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	23,391	54,886	80,601	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists	58,689	93,331	107,589	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	32,053	69,566	81,838	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
19-4010	Agricultural and Food Science Technicians	18,070	34,174	41,387	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	26,033	41,668	51,748	No	No	No	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	29,748	45,984	51,287	No	No	No	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	29,876	44,479	48,510	No	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	24,656	43,616	52,816	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	65,977	90,212	102,250	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	28,997	37,661	42,598	No	No	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	29,246	44,038	52,656	No	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	33,456	45,207	53,510	Yes	No	No	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	19,682	45,087	56,741	No	No	No	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	36,854	59,564	73,381	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	25,321	47,073	61,031	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	33,806	45,286	50,835	Yes	No	No	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	28,066	39,776	46,802	No	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	24,189	36,673	37,750	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	27,414	42,999	50,228	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	29,645	38,413	42,941	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	28,419	39,699	46,252	No	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	37,884	60,319	73,444	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	33,519	56,926	73,447	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	32,703	49,434	62,511	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	31,148	43,078	47,565	Yes	No	No	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	32,488	41,337	46,487	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	21,594	31,706	37,249	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	22,654	32,919	33,041	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	31,634	38,155	40,858	Yes	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	25,940	53,031	64,939	No	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	24,000	43,851	52,825	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	18,389	40,750	54,024	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	39,364	91,721	112,219	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	28,403	48,104	54,418	No	No	No	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	36,394	96,086	117,669	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	23,925	66,774	94,456	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	136,835	175,909	160,470	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	26,310	49,242	60,585	No	Yes	Yes	Associate's degree	No	No	Yes
23-2093	Title Examiners, Abstractors, and Searchers	37,103	56,332	62,236	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	18,927	47,691	49,302	No	No	No	Associate's degree	No	No	No
25-1011	Business Teachers, Postsecondary	55,738	102,268	120,273	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	43,738	92,591	115,889	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	39,982	77,931	102,849	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	24,843	84,957	106,015	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	50,736	103,702	127,027	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	51,935	97,959	119,233	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	39,663	84,376	103,317	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	64,675	105,997	124,667	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	44,731	89,144	110,437	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	49,050	82,493	97,434	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	21,949	70,483	82,736	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	45,743	88,751	112,142	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	54,558	87,205	98,540	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	40,666	75,326	91,495	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	55,738	102,268	120,273	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	49,200	81,893	96,460	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	49,640	88,245	99,420	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	39,345	76,441	91,205	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	40,319	76,113	92,807	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	41,359	78,821	104,573	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	53,837	109,275	116,582	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	53,837	109,275	116,582	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	39,766	64,113	76,085	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	41,115	66,521	78,399	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	37,237	83,851	91,299	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	52,647	142,512	188,883	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	34,548	70,034	82,437	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	31,298	92,826	106,175	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	38,970	67,926	80,263	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	29,284	71,917	99,617	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	44,338	80,572	103,842	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	27,317	78,024	89,725	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	42,296	87,720	103,149	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	39,766	64,113	76,085	Yes	Yes	Yes	Master's degree	No	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	31,260	62,970	76,366	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	32,568	58,766	67,362	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	21,499	52,347	65,799	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,424	26,501	29,925	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	21,652	31,086	36,578	No	No	No	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	30,292	42,264	48,944	Yes	No	No	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	52,735	57,565	62,163	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	28,075	55,307	70,643	No	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	33,718	42,297	47,903	Yes	No	No	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	40,881	61,106	69,528	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	30,024	58,268	74,118	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	38,342	59,907	72,348	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	38,427	55,860	65,565	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	39,139	59,073	70,764	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	26,249	48,553	59,027	No	No	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	33,567	38,946	40,404	Yes	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	19,055	35,402	45,646	No	No	No	Some college, no degree	No	No	Yes
25-3031	Substitute Teachers, Short-Term	17,696	27,747	29,181	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	22,854	48,685	67,316	No	No	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	25,602	40,797	47,523	No	No	No	Master's degree	No	No	No
25-4012	Curators	27,110	51,710	58,858	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	21,424	38,652	46,567	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	44,565	66,513	73,326	Yes	Yes	Yes	Master's degree	Yes	No	No
25-4031	Library Technicians	26,827	37,520	41,597	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	18,482	27,126	30,484	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	21,719	44,811	58,828	No	No	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	17,930	35,719	46,090	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	19,011	25,151	28,872	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	19,812	43,161	64,940	No	No	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	30,739	62,329	74,206	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1012	Craft Artists	17,181	30,708	36,872	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,005	44,422	59,476	No	No	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	33,944	45,213	52,092	Yes	No	No	Bachelor's degree	No	No	No
27-1019	Artists and Related Workers, All Other	28,459	80,282	98,146	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	37,359	63,317	73,931	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	30,342	58,614	67,785	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	22,026	28,034	30,686	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	32,213	54,231	59,376	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	22,942	49,940	59,261	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	22,034	32,263	36,638	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	21,181	46,099	57,247	No	No	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	32,820	50,280	59,633	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	20,070	41,445	46,102	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	26,794	63,066	84,400	No	Yes	Yes	Bachelor's degree	No	No	Yes
27-2021	Athletes and Sports Competitors	17,537	66,511	78,240	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	18,530	42,680	50,099	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	17,555	36,844	43,972	No	No	No	Some college, no degree	No	Yes	Yes
27-2031	Dancers	18,862	51,830	76,109	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	17,302	36,469	55,382	No	No	No	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	17,649	61,893	71,982	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	17,751	84,058	117,845	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	17,752	24,384	28,375	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,651	55,795	68,563	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	26,979	59,382	68,881	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	27,540	52,546	65,632	No	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	20,037	53,085	60,850	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	19,273	52,124	64,324	No	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	22,264	55,668	75,401	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	21,846	51,186	65,481	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,164	47,916	78,746	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	30,833	54,897	72,601	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
27-4011	Audio and Video Technicians	18,826	41,756	56,325	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	28,970	46,004	50,527	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	22,117	52,937	60,806	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	19,919	42,744	44,320	No	No	No	Some college, no degree	No	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	21,939	46,708	58,080	No	No	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	29,865	50,567	60,928	No	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	23,167	76,123	98,830	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	51,225	68,353	77,886	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	100,708	153,185	170,589	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	59,804	220,134	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	83,898	169,482	194,850	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists										
29-1029	Dentists, All Other Specialists	53,649	164,227	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	46,745	62,829	73,114	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041	Optometrists	69,936	129,598	154,948	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1051	Pharmacists	47,359	110,018	136,728	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1071	Physician Assistants	82,992	102,838	112,756	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	50,455	124,320	170,475	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1122	Occupational Therapists	47,538	79,353	94,658	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	65,221	83,119	95,404	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1124	Radiation Therapists	55,751	79,291	95,153	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	33,660	55,360	70,426	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	43,476	56,347	61,902	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	57,220	85,739	99,354	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	33,284	50,727	62,287	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	29,752	48,263	56,488	No	No	No	Bachelor's degree	No	No	No
29-1131	Veterinarians	75,367	94,300	101,001	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	53,830	73,441	85,591	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
29-1151	Nurse Anesthetists	137,386	175,576	194,046	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,515	63,261	92,760	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	73,368	115,527	118,863	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	41,424	69,097	78,024	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	127,571	254,280	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	77,732	183,312	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	47,757	196,433	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	116,835	230,045	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	55,111	148,264	184,752	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	43,926	188,789	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	116,251	209,104	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	48,722	229,352	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	53,838	66,047	74,916	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	22,011	58,636	69,607	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	30,443	55,132	68,540	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	24,459	46,417	63,645	No	No	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	53,505	63,389	69,253	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	53,996	71,411	80,544	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	42,213	58,153	69,762	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	44,179	62,671	73,163	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	27,602	38,679	45,721	No	No	No	Postsecondary nondegree award	Yes	No	Yes
29-2051	Dietetic Technicians	19,401	27,991	30,295	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	26,209	35,009	39,416	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	23,762	28,569	31,016	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	30,314	43,757	51,120	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	19,818	31,840	38,922	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	27,873	40,830	48,074	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	39,736	55,357	57,620	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	21,631	40,003	48,073	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	34,792	71,626	84,601	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	27,260	59,345	68,554	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	27,264	48,270	59,092	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	31,512	50,087	59,783	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	55,729	75,598	87,139	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	24,372	55,047	73,314	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
31-1120	Home Health and Personal Care Aides	18,987	25,274	28,791	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	22,320	29,238	31,944	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	19,916	26,539	29,162	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	23,953	28,122	29,977	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	47,776	63,270	73,509	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	18,258	26,558	30,211	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	45,068	61,809	74,028	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	21,044	26,842	30,157	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	31,664	47,365	53,950	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9091	Dental Assistants	28,310	40,407	48,300	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	26,425	33,227	37,683	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	22,633	32,000	36,703	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	27,706	35,689	39,994	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9095	Pharmacy Aides	20,169	30,530	36,478	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	18,269	21,863	21,834	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	26,562	34,046	38,306	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	25,134	32,600	36,778	No	No	No	High school diploma or equivalent	Yes	No	No
33-1011	First-Line Supervisors of Correctional Officers	32,178	44,881	46,286	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	49,316	70,525	79,643	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	30,529	51,663	58,960	Yes	Yes	Yes	Associate's degree	No	Yes	No
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	28,710	46,929	53,882	No	No	No	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	21,561	32,338	38,672	No	No	No	Postsecondary nondegree award	No	No	No
33-2021	Fire Inspectors and Investigators	41,143	58,024	62,427	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	27,776	32,834	35,869	No	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	30,801	43,785	50,727	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,754	37,612	39,299	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	31,956	62,317	62,353	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	19,869	26,661	28,797	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	25,874	40,169	47,111	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	35,654	48,174	54,822	Yes	No	No	Associate's degree	Yes	No	No
33-3052	Transit and Railroad Police	42,164	60,741	72,113	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	25,415	36,319	41,059	No	No	No	Postsecondary nondegree award	No	No	No

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33-9021	Private Detectives and Investigators	31,251	46,221	56,329	Yes	No	No	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	23,448	32,544	36,881	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	21,011	27,177	30,591	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	22,096	46,530	58,083	No	No	Yes	No formal educational credential	Yes	Yes	Yes
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	18,192	27,007	29,668	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	34,102	39,872	42,125	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	19,410	32,731	37,630	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	30,872	53,905	63,563	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	21,202	33,355	39,941	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	19,720	26,105	30,545	No	No	No	No formal educational credential	No	No	Yes
35-2012	Cooks, Institution and Cafeteria	21,455	27,585	30,651	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2013	Cooks, Private Household	19,719	28,253	33,143	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	20,440	26,499	30,084	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	18,887	23,634	26,850	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	20,466	28,009	27,250	No	No	No	No formal educational credential	Yes	Yes	No
35-2021	Food Preparation Workers	19,312	25,519	29,394	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,656	30,920	36,265	No	No	No	No formal educational credential	No	Yes	Yes
35-3023	Fast Food and Counter Workers	18,682	22,636	24,438	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,735	27,682	28,926	No	No	No	No formal educational credential	No	Yes	No
35-3041	Food Servers, Nonrestaurant	18,706	22,599	24,053	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,899	26,586	29,336	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	18,884	22,899	24,947	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	17,649	22,183	24,094	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	19,228	25,632	30,829	No	No	No	No formal educational credential	No	No	Yes
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	30,989	43,242	49,488	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	34,152	44,540	48,138	Yes	No	No	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	20,817	28,368	30,956	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,247	24,235	26,598	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	20,216	34,192	49,406	No	No	No	No formal educational credential	No	Yes	Yes
37-2021	Pest Control Workers	25,874	39,702	47,753	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
37-3011	Landscaping and Groundskeeping Workers	20,116	28,908	31,555	No	No	No	No formal educational credential	No	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21,199	31,879	36,872	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	20,825	33,836	42,586	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	24,525	33,574	37,134	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	34,192	52,497	61,931	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	32,763	51,949	60,413	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	20,487	37,256	42,830	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	20,224	27,364	30,530	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	17,265	23,504	26,520	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,455	25,808	29,143	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	18,867	32,469	33,537	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	17,864	28,028	30,717	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	19,153	23,829	23,602	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,684	23,710	25,195	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	24,534	52,741	68,722	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	18,230	25,911	29,537	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	17,752	24,384	28,375	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	31,757	53,322	54,333	Yes	Yes	No	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	19,953	28,075	29,668	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	29,668	51,420	57,434	No	Yes	Yes	Associate's degree	No	Yes	No
39-5011	Barbers	20,525	29,799	35,457	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,128	28,594	30,999	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	34,108	66,202	76,385	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	19,079	24,750	29,695	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	18,042	24,665	28,459	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,738	33,808	39,036	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	17,640	23,391	26,689	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	19,729	27,176	30,174	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	20,675	30,651	33,612	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,598	25,657	25,513	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	20,664	34,807	44,669	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	19,270	28,246	32,074	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	23,980	40,156	48,046	No	No	No	Some college, no degree	No	Yes	Yes
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	20,142	26,468	28,031	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	26,441	43,978	54,186	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	33,691	74,251	86,442	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,310	23,905	26,124	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	17,789	26,811	33,143	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	19,601	28,397	30,840	No	No	No	No formal educational credential	No	Yes	Yes
41-2022	Parts Salespersons	20,741	32,771	39,163	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	20,141	27,435	30,020	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	21,276	59,130	67,699	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	23,834	52,836	54,287	No	Yes	No	Postsecondary nondegree award	No	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	32,537	54,973	63,416	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	19,326	35,851	43,920	No	No	No	Some college, no degree	No	No	Yes

Workforce Region 9 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	20,464	48,274	57,163	No	No	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	35,447	76,985	90,658	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	23,758	52,761	71,463	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,391	36,759	46,230	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models	19,391	36,759	46,230	No	No	No	High school diploma or equivalent	No	No	Yes
41-9021	Real Estate Brokers	25,049	62,596	65,162	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	24,254	47,239	56,361	No	No	No	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	52,563	104,610	135,093	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	18,445	26,052	28,656	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,611	25,827	28,057	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,210	36,180	39,321	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	30,724	54,448	66,086	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	23,336	30,818	32,533	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	22,605	29,424	30,567	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	27,663	38,286	45,265	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	31,870	38,865	43,443	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	28,402	39,313	45,233	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	25,090	40,139	47,989	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	18,586	26,192	29,602	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	32,151	39,307	43,176	Yes	No	No	Some college, no degree	Yes	Yes	No
43-3061	Procurement Clerks	33,503	41,801	47,579	Yes	No	No	Associate's degree	No	No	No
43-3071	Tellers	26,540	32,785	37,080	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	28,703	43,879	51,298	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	47,397	57,298	63,059	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks										
43-4031	Court, Municipal, and License Clerks	27,119	38,652	42,121	No	No	No	Some college, no degree	Yes	Yes	No
43-4041	Credit Authorizers, Checkers, and Clerks	26,661	40,581	46,558	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	19,633	32,337	38,494	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	23,292	31,914	34,166	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	23,868	31,800	35,370	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	19,293	24,441	27,386	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	18,698	34,361	39,073	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	18,773	26,633	29,771	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	26,124	40,534	48,481	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	27,907	38,127	43,364	No	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	22,097	31,442	37,538	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	33,226	42,590	48,365	Yes	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	20,316	28,761	32,577	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	22,239	39,467	54,586	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-4199	Information and Record Clerks, All Other	26,629	41,232	49,007	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5011	Cargo and Freight Agents	25,396	41,705	48,094	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	24,422	30,892	34,129	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	33,101	40,349	44,739	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	23,332	32,349	36,228	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	26,940	38,599	41,426	No	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,757	51,303	62,996	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,607	53,238	65,034	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	35,387	49,885	62,985	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	27,236	45,986	51,118	No	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	22,162	32,738	38,451	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	33,345	42,151	48,224	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-6011	Executive Secretaries and Executive Administrative Assistants	27,482	49,942	60,988	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	27,893	38,037	42,176	No	No	No	Some college, no degree	Yes	Yes	No
43-6013	Medical Secretaries and Administrative Assistants	26,307	34,091	38,361	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	19,544	36,800	43,453	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	26,277	35,157	38,232	No	No	No	High school diploma or equivalent	Yes	No	No
43-9022	Word Processors and Typists	20,312	35,443	43,578	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	26,951	49,574	54,174	No	Yes	No	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	32,301	41,557	46,378	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	20,579	29,112	32,785	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	21,675	34,659	41,473	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	19,073	31,279	36,356	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	24,928	39,654	52,572	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	30,726	51,813	63,486	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	24,743	39,658	45,784	No	No	No	Some college, no degree	No	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	29,321	52,235	57,509	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	19,213	34,951	44,216	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	20,487	37,256	42,830	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	24,019	31,757	35,654	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	21,715	31,429	35,926	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	19,333	22,697	24,008	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	19,654	30,202	38,708	No	No	No	No formal educational credential	No	Yes	Yes

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45-2099	Agricultural Workers, All Other	18,417	27,167	27,448	No	No	No	No formal educational credential	No	No	No
45-3031	Fishing and Hunting Workers	19,654	30,202	38,708	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	33,949	38,764	42,118	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	25,687	35,185	38,586	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	17,602	33,958	43,242	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	21,630	31,223	36,356	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,483	44,394	55,916	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	38,542	59,651	68,023	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	32,853	48,619	57,050	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	27,532	40,085	46,727	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2022	Stonemasons	30,829	37,050	40,825	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	33,476	45,076	53,990	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	17,537	30,548	39,410	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,501	37,471	48,806	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	24,506	33,537	38,305	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	24,590	36,797	42,801	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	21,240	31,135	37,267	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	31,869	41,958	47,186	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	22,749	33,946	38,712	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	25,049	35,185	37,883	No	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	31,541	47,448	56,525	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	26,117	38,531	46,493	No	No	No	High school diploma or equivalent	Yes	No	Yes
47-2081	Drywall and Ceiling Tile Installers	18,452	31,795	38,664	No	No	No	No formal educational credential	No	Yes	Yes
47-2082	Tapers	17,715	38,520	47,204	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	30,530	42,608	49,342	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	25,480	39,588	47,635	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	25,715	36,900	43,382	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	27,410	37,368	43,223	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	27,754	36,639	39,833	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	30,932	44,853	57,415	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	26,436	36,890	41,996	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	26,756	44,083	53,453	No	No	No	Postsecondary nondegree award	No	Yes	Yes
47-2161	Plasterers and Stucco Masons	21,415	35,392	42,820	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	29,630	42,595	48,984	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	27,287	38,925	46,255	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	27,448	43,653	55,015	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	25,630	41,378	48,891	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	23,897	33,827	37,837	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20,806	28,572	33,462	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	20,956	30,427	35,588	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	23,938	31,996	36,802	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	19,391	26,445	30,811	No	No	No	No formal educational credential	No	No	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	21,874	29,312	32,909	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	23,138	32,038	36,675	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	19,381	23,714	25,033	No	No	No	No formal educational credential	No	No	No
47-4011	Construction and Building Inspectors	25,167	50,548	63,133	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	38,811	72,750	91,598	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	24,103	36,057	44,291	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	25,312	37,284	44,216	No	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	24,604	31,887	36,629	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	32,085	45,106	51,720	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	24,160	35,851	38,708	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	25,630	36,450	41,237	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	32,197	42,408	48,001	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	23,363	50,783	65,640	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	24,544	38,642	44,797	No	No	No	High school diploma or equivalent	No	No	No
47-5041	Continuous Mining Machine Operators	34,005	54,118	64,563	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	34,005	54,118	64,563	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	28,731	35,129	37,284	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	32,197	42,408	48,001	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	22,202	32,132	37,574	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	24,787	42,961	49,949	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	33,415	53,200	68,226	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	36,764	60,457	68,595	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	19,648	34,389	40,976	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	29,368	54,099	69,013	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	38,437	62,691	76,950	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	31,916	55,186	67,055	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	26,520	40,628	48,076	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	31,682	51,598	64,994	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	27,353	38,434	42,185	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	39,776	67,261	85,416	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	23,925	35,644	42,530	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	22,736	41,218	52,319	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	27,264	43,593	54,082	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	32,178	63,813	83,036	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-3021	Automotive Body and Related Repairers	19,893	52,126	61,271	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	20,497	35,129	40,506	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	25,016	41,821	51,930	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	34,485	49,616	58,233	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	24,900	39,823	48,282	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	31,455	47,060	57,626	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	34,267	52,553	59,607	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	26,483	46,933	59,308	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3052	Motorcycle Mechanics	24,038	34,548	40,666	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	32,900	36,201	39,469	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	20,937	28,188	32,066	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	25,640	44,994	56,825	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	18,543	24,326	25,162	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	22,387	30,710	34,269	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	29,565	47,570	56,394	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	32,948	44,716	50,811	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	24,806	37,996	45,424	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	32,988	41,639	47,399	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	23,494	37,274	45,799	No	No	No	High school diploma or equivalent	No	No	No
49-9044	Millwrights	30,127	47,008	57,968	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	42,199	64,024	83,378	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	28,591	43,111	49,003	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	18,220	38,914	51,514	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	29,183	47,002	56,896	No	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	22,249	33,087	37,715	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,553	41,040	50,970	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	35,954	53,293	61,078	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	23,380	37,378	42,933	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	42,193	69,088	83,935	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18,314	28,890	34,933	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	31,794	47,176	47,916	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	27,485	34,886	38,920	No	No	No	High school diploma or equivalent	Yes	No	No
49-9095	Manufactured Building and Mobile Home Installers	20,010	27,541	30,099	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	30,548	46,118	55,832	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	37,200	62,127	74,793	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	18,341	24,840	30,134	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	19,367	34,319	39,547	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	37,030	67,964	84,872	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	18,052	38,708	50,015	No	No	No	Postsecondary nondegree award	No	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	17,583	33,584	46,858	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	19,093	32,122	33,360	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	23,991	28,422	29,818	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	24,085	34,211	39,120	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	26,599	32,912	34,902	No	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	21,680	31,735	37,510	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	19,758	27,315	31,357	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	22,538	34,360	40,704	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	20,384	29,199	34,670	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	21,003	26,820	29,443	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	24,019	31,757	35,654	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,576	28,506	32,947	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	18,248	26,333	30,576	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	19,860	25,640	28,759	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	24,188	33,387	37,911	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	24,797	33,490	37,059	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	24,965	34,352	40,178	No	No	No	High school diploma or equivalent	Yes	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,562	30,605	35,635	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	31,410	51,663	63,083	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,797	30,726	35,794	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,630	35,719	41,996	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	31,691	41,743	47,373	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

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51-4041	Machinists	26,752	40,899	48,463	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	28,778	39,776	46,258	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4052	Pourers and Casters, Metal	24,609	38,848	46,567	No	No	No	High school diploma or equivalent	No	No	Yes
51-4061	Model Makers, Metal and Plastic	31,410	51,663	63,083	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	28,038	49,977	59,008	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	20,141	35,373	44,890	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	19,878	31,485	36,984	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24,010	33,986	37,312	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	28,038	49,977	59,008	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	26,652	37,987	46,510	No	No	No	Postsecondary nondegree award	No	No	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	23,654	33,415	38,371	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	21,012	32,703	37,612	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	26,923	42,961	53,443	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	26,792	36,488	39,495	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	24,665	33,733	37,378	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	19,963	32,113	36,506	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	22,668	33,951	39,743	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	19,798	33,313	40,139	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	19,654	29,874	36,000	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	20,633	26,143	28,870	No	No	No	No formal educational credential	Yes	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	17,939	22,923	26,024	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	18,867	25,493	30,166	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	18,558	29,040	34,951	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	17,864	27,972	33,752	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	19,860	26,736	31,851	No	No	No	No formal educational credential	No	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	18,764	27,841	32,544	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders										
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	19,841	29,406	34,511	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	17,864	24,778	28,216	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders										
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	35,710	64,563	76,919	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	17,640	27,738	29,509	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	19,246	43,326	45,177	No	No	No	High school diploma or equivalent	No	Yes	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,527	25,818	31,541	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	27,205	37,579	45,413	No	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Furniture Finishers	27,065	33,266	37,257	No	No	No	High school diploma or equivalent	Yes	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	22,839	35,755	39,240	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	19,897	30,858	36,656	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	21,396	38,258	53,256	No	No	No	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	65,977	90,212	102,250	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	47,626	76,235	95,570	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	42,193	69,088	83,935	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	36,581	54,614	61,640	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	31,950	48,285	57,760	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	29,855	48,684	59,261	No	No	Yes	Associate's degree	No	No	No
51-8092	Gas Plant Operators	31,007	44,928	53,968	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	28,478	48,057	55,935	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	36,712	56,122	60,113	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	25,068	41,893	52,984	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	23,120	35,954	43,307	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	22,389	33,752	38,886	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,602	31,438	35,626	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	26,147	33,157	37,871	No	No	No	High school diploma or equivalent	Yes	No	No
51-9031	Cutters and Trimmers, Hand	19,672	33,209	39,579	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	21,958	32,684	38,380	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,342	31,841	36,169	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,565	30,876	35,541	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	24,233	49,400	61,628	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	22,904	42,380	54,062	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	27,052	37,651	43,128	No	No	No	Postsecondary nondegree award	No	No	No
51-9082	Medical Appliance Technicians	23,963	43,232	50,802	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	20,675	32,113	36,244	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	23,140	28,736	31,360	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,473	30,773	39,682	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	33,123	36,071	39,136	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians	26,595	39,176	45,930	No	No	No	High school diploma or equivalent	Yes	No	Yes

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51-9151	Photographic Process Workers and Processing Machine Operators	22,661	39,373	47,186	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9161	Computer Numerically Controlled Tool Operators	30,224	37,933	40,513	Yes	No	No	Postsecondary nondegree award	Yes	No	No
51-9162	Computer Numerically Controlled Tool Programmers	33,256	50,998	59,842	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	20,216	32,497	39,382	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,427	32,506	37,340	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	20,337	34,801	42,998	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,508	25,031	31,110	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	22,436	31,804	36,075	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	24,103	34,483	38,801	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	24,572	35,354	42,923	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	21,819	27,556	31,067	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	27,211	38,083	46,165	No	No	No	High school diploma or equivalent	Yes	No	Yes
53-1041	Aircraft Cargo Handling Supervisors	32,600	59,626	74,015	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	33,452	53,123	64,063	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	91,973	215,206	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	40,403	118,446	148,339	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	65,116	114,896	142,391	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	23,813	43,682	56,591	No	No	No	Some college, no degree	No	Yes	Yes
53-2031	Flight Attendants	28,853	54,558	63,017	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,534	27,335	29,668	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,197	33,245	41,602	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	28,165	44,142	51,784	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	21,860	35,309	40,015	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	22,586	34,464	40,001	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	20,765	30,740	35,286	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	21,655	35,568	44,760	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	50,165	62,989	69,387	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	50,624	63,607	72,404	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers										
53-4031	Railroad Conductors and Yardmasters	50,624	63,607	72,404	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	20,975	39,523	55,701	No	No	No	High school diploma or equivalent	No	Yes	Yes
53-4099	Rail Transportation Workers, All Other	27,139	51,851	67,682	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	22,333	38,548	45,677	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	20,946	75,982	99,083	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	18,717	41,143	52,413	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	30,820	68,750	84,217	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	24,066	37,415	45,940	No	No	No	High school diploma or equivalent	No	No	Yes
53-6021	Parking Attendants	19,262	24,940	29,631	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	20,581	28,200	32,027	No	No	No	No formal educational credential	Yes	Yes	Yes
53-6041	Traffic Technicians	26,989	44,844	52,047	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	49,303	86,633	114,737	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,611	23,035	24,834	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	21,124	31,101	36,441	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	18,745	31,822	38,174	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	33,537	57,200	69,528	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	31,982	45,134	52,403	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	25,274	38,933	40,919	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	33,371	40,699	46,599	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	20,957	29,506	32,634	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,197	29,252	34,408	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	18,745	30,417	36,356	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,969	23,103	24,771	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	21,388	29,259	32,664	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	32,909	61,087	73,444	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	19,017	38,155	45,453	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	28,263	40,622	46,492	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	18,745	31,822	38,174	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	21,302	39,916	50,783	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 10 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
11-1011	Chief Executives	26,770	163,184	*	Yes	Yes	Yes*	Bachelor's degree	No	Yes	Yes*
11-1021	General and Operations Managers	41,815	88,986	107,366	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	18,605	57,432	67,528	No	Yes	Yes	Bachelor's degree	No	No	No
11-2011	Advertising and Promotions Managers	44,694	101,923	118,362	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	53,738	88,812	98,081	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	49,153	113,262	145,903	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	50,763	102,309	119,172	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	44,170	84,230	107,028	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	63,864	120,201	136,788	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	53,309	109,050	132,972	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	58,772	113,561	149,293	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	47,671	85,388	102,771	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	66,245	91,122	104,580	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	60,719	98,147	116,299	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	57,923	97,346	106,830	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	53,692	100,560	122,746	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	34,039	73,179	77,582	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
11-9021	Construction Managers	35,902	87,241	114,671	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	28,620	44,409	52,935	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	51,015	84,883	103,028	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	53,038	86,772	100,814	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	23,003	55,695	86,932	No	Yes	Yes	Master's degree	No	No	No
11-9041	Architectural and Engineering Managers	65,334	134,677	169,972	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	26,964	47,007	59,284	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	42,429	81,063	89,149	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	34,632	54,587	62,219	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	54,590	106,304	124,590	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	53,290	88,752	113,305	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	69,143	81,868	94,962	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	19,692	42,088	46,559	No	No	No	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	40,745	70,690	87,755	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9161	Emergency Management Directors	53,761	82,723	102,754	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	44,085	62,901	63,217	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	35,788	75,452	95,232	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	31,423	78,797	94,758	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	33,560	55,677	66,294	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	44,625	71,212	83,201	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	45,164	63,298	74,220	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	28,232	45,170	56,242	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	36,649	66,299	79,066	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	29,710	50,824	61,898	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	34,039	73,179	77,582	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	17,434	54,254	73,566	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	31,412	49,389	53,408	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	28,267	77,990	93,006	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	22,229	49,963	63,388	No	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	36,086	53,730	52,252	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	34,807	49,040	57,346	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	28,155	47,156	57,463	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	31,817	53,459	63,105	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	28,760	64,882	76,415	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	36,226	68,395	84,095	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2020	Property Appraisers and Assessors	34,145	57,178	72,757	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	41,676	69,510	84,992	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
13-2041	Credit Analysts	30,499	82,752	117,200	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2052	Personal Financial Advisors	27,937	82,743	94,620	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	30,011	58,085	72,286	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	42,419	76,790	92,612	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	30,604	46,287	49,041	Yes	Yes	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	29,202	76,789	100,461	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2081	Tax Examiners and Collectors, and Revenue Agents	26,091	44,795	51,915	No	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	17,738	43,377	56,243	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	34,558	67,987	80,468	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	36,915	69,611	84,855	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1212	Information Security Analysts	29,492	73,876	96,842	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1221	Computer and Information Research Scientists	67,295	110,488	129,073	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	23,714	41,583	48,288	No	No	No	Associate's degree	No	No	No
15-1232	Computer User Support Specialists	29,564	47,840	53,629	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	49,094	82,594	98,579	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	41,852	67,332	78,083	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1245	Database Administrators and Architects	35,430	81,626	120,407	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1251	Computer Programmers	42,023	70,799	87,851	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	36,589	94,883	117,752	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	40,775	63,529	87,539	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 10 Wages by Detailed Occupation

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15-1299	Computer Occupations, All Other	23,326	50,690	63,407	No	Yes	Yes	Bachelor's degree	No	No	No
15-2011	Actuaries	45,532	107,540	132,618	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	64,863	97,235	109,963	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	35,213	52,315	61,272	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2041	Statisticians	27,178	66,567	87,767	Yes	Yes	Yes	Master's degree	No	No	No
15-2098	Data Scientists and Mathematical Science Occupations, All Other	47,522	85,585	109,088	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	49,810	112,127	184,252	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	27,344	51,554	71,436	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1021	Cartographers and Photogrammetrists	40,476	62,506	74,248	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	32,526	63,899	62,692	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	61,483	100,882	120,250	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	40,274	74,294	91,866	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	57,413	83,927	100,762	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	46,085	89,969	113,766	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	57,276	85,629	99,961	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	58,564	94,500	114,531	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	58,196	90,915	109,574	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	59,555	88,691	102,301	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	38,119	75,473	92,989	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	43,340	76,919	95,384	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	53,307	76,597	88,462	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	44,639	73,962	88,421	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	46,932	88,569	107,946	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	60,139	82,234	96,801	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	67,700	108,802	133,180	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	79,276	99,989	112,937	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	68,142	148,007	181,972	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	62,702	93,213	111,766	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	26,452	42,242	49,922	No	No	Yes	Associate's degree	No	No	No
17-3012	Electrical and Electronics Drafters	21,541	48,120	59,724	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3013	Mechanical Drafters	33,074	43,418	49,560	Yes	Yes	No	Associate's degree	Yes	No	No
17-3019	Drafters, All Other	30,898	50,828	58,601	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	37,501	63,233	81,560	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	27,548	40,943	47,583	Yes	No	No	Associate's degree	No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	35,668	56,637	65,614	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	30,567	48,940	56,796	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	25,004	40,274	48,212	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	31,626	50,487	59,945	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	28,909	50,957	65,692	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	26,289	38,099	41,074	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	33,862	49,062	57,791	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	38,294	59,669	71,430	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	29,563	53,572	67,423	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	29,323	66,549	90,319	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1021	Biochemists and Biophysicists	40,614	73,575	83,789	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	33,348	57,845	70,619	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	32,431	41,799	45,084	Yes	No	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	36,851	62,313	78,939	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	28,556	62,680	84,385	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1032	Foresters	56,785	68,240	75,942	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1041	Epidemiologists	30,309	50,865	63,334	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	37,041	69,200	79,236	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1099	Life Scientists, All Other	46,435	96,065	120,480	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	78,899	134,626	152,861	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	78,899	134,626	152,861	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	54,521	91,166	107,154	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	33,412	59,816	73,511	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	45,744	95,043	123,593	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	32,715	46,114	48,818	Yes	Yes	No	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	47,761	83,393	105,947	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	43,202	88,182	103,626	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	43,727	107,909	126,319	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	48,710	86,920	98,036	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3022	Survey Researchers	27,178	66,567	87,767	Yes	Yes	Yes	Master's degree	No	No	No
19-3031	Clinical, Counseling, and School Psychologists	40,140	69,823	83,841	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	27,178	66,567	87,767	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	35,723	87,052	111,832	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	48,848	69,772	84,636	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	39,108	69,334	83,429	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	30,309	50,865	63,334	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	22,996	53,959	79,239	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	50,349	76,458	90,328	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	28,298	37,068	41,187	Yes	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	22,630	39,855	49,051	No	No	No	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	28,891	46,941	56,611	Yes	Yes	Yes	Associate's degree	No	No	Yes
19-4042	Environmental Science and Protection Technicians, Including Health	24,092	42,981	49,133	No	Yes	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	24,240	42,880	51,924	No	Yes	Yes	Associate's degree	No	No	No
19-4051	Nuclear Technicians	64,863	88,688	100,523	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	24,829	49,538	57,440	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	28,752	43,294	51,767	Yes	Yes	Yes	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	33,053	47,270	55,099	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	19,349	44,326	55,783	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	31,317	54,867	70,992	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	24,894	46,278	60,001	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	31,221	55,515	70,477	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	31,958	45,452	56,839	Yes	Yes	Yes	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	26,124	42,135	49,182	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	23,858	43,141	54,437	No	Yes	Yes	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	26,831	33,540	35,115	Yes	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	21,672	39,045	44,102	No	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	39,295	59,411	66,846	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	33,063	42,401	49,650	Yes	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	40,020	45,942	49,017	Yes	Yes	No	Bachelor's degree	Yes	No	No
21-1091	Health Education Specialists	18,829	38,582	40,452	No	No	No	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	28,937	37,078	41,075	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	22,699	33,262	39,165	No	No	No	Some college, no degree	Yes	No	Yes
21-1094	Community Health Workers	33,384	45,597	54,786	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	27,139	37,249	39,136	Yes	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	26,401	46,803	59,802	No	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	23,595	43,110	51,933	No	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	18,078	40,062	53,112	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	34,485	75,049	104,581	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	27,924	47,291	53,499	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	35,779	94,463	115,682	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	23,521	65,646	92,860	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	134,525	172,938	157,760	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	26,584	38,264	43,511	No	No	No	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	34,662	52,336	65,493	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	26,225	33,860	32,059	No	No	No	Associate's degree	No	No	No
25-1011	Business Teachers, Postsecondary	54,797	100,541	118,242	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	43,000	91,028	113,932	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	39,307	76,615	101,112	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	24,424	83,522	104,225	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	49,879	101,950	124,882	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	51,058	96,305	117,220	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	38,993	82,951	101,573	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	63,583	104,207	122,561	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	43,976	87,639	108,572	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	48,221	81,100	95,789	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	21,578	69,293	81,339	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	44,970	87,252	110,248	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	53,637	85,732	96,876	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	39,979	74,054	89,950	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	54,797	100,541	118,242	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	48,369	80,510	94,831	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	48,802	86,754	97,741	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	38,680	75,150	89,665	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	39,638	74,828	91,240	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	40,660	77,490	102,807	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	52,928	107,430	114,613	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	52,928	107,430	114,613	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	39,095	63,031	74,800	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	40,421	65,397	77,075	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	36,608	82,435	89,757	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	51,758	140,106	185,693	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	33,965	68,851	81,044	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	30,769	91,258	104,382	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	38,312	66,779	78,908	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	28,789	70,702	97,935	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	43,589	79,212	102,088	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	26,855	76,707	88,210	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	41,581	86,239	101,407	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	30,732	61,907	75,077	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	22,928	40,115	48,885	No	No	No	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	21,136	51,463	64,688	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	19,132	29,848	32,450	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	32,980	53,342	63,657	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	35,346	58,325	71,211	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	38,803	63,370	77,617	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	27,601	54,373	69,450	Yes	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	36,380	63,415	73,426	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	41,294	61,014	66,728	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	29,517	57,284	72,866	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	37,695	58,895	71,126	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2057	Special Education Teachers, Middle School	37,778	54,917	64,458	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	38,478	58,076	69,569	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	25,493	37,603	47,920	No	No	No	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	34,051	45,144	53,360	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	30,042	45,386	51,677	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
25-3031	Substitute Teachers, Short-Term	17,397	27,279	28,688	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	19,633	56,340	79,553	No	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	25,170	40,108	46,720	No	No	No	Master's degree	No	No	No
25-4012	Curators	26,653	50,837	57,864	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	21,062	37,999	45,781	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	33,975	58,024	76,049	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	22,844	31,765	37,104	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	17,553	35,245	44,648	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	33,003	50,615	59,904	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	17,627	35,116	45,311	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	19,055	27,928	31,188	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	21,606	46,177	58,923	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	43,184	88,265	95,246	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	16,890	30,189	36,249	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	17,701	43,672	58,472	No	Yes	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	39,307	60,608	72,037	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	27,979	78,926	96,489	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	36,728	62,248	72,682	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	29,830	57,624	66,641	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	28,225	34,073	37,708	Yes	No	No	High school diploma or equivalent	Yes	No	No
27-1024	Graphic Designers	28,626	44,003	50,899	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	22,554	49,096	58,260	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	20,367	28,107	32,125	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	20,823	45,320	56,280	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	29,563	54,070	62,017	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	19,731	40,745	45,323	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	19,217	49,937	64,777	No	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	17,240	65,388	76,919	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	19,161	46,155	52,060	No	Yes	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	17,259	36,221	43,230	No	No	No	Some college, no degree	No	Yes	Yes
27-2031	Dancers	18,543	50,955	74,823	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	17,010	35,853	54,447	No	No	Yes	Some college, no degree	No	Yes	Yes
27-2041	Music Directors and Composers	17,351	60,848	70,767	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	17,451	82,639	115,855	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	17,452	23,973	27,896	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,336	54,852	67,405	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	26,524	58,380	67,718	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	33,123	48,302	56,459	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	28,825	55,390	60,605	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	33,900	45,900	52,046	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	26,174	62,837	65,747	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	27,446	43,364	55,557	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,272	25,299	32,128	No	No	No	Postsecondary nondegree award	No	No	No
27-3099	Media and Communication Workers, All Other	17,627	41,397	51,519	No	No	Yes	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	33,371	65,059	84,987	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
27-4012	Broadcast Technicians	20,316	43,036	52,541	No	Yes	Yes	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	21,744	52,043	59,780	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	23,625	36,570	31,899	No	No	No	Some college, no degree	Yes	Yes	No
27-4031	Camera Operators, Television, Video, and Film	21,569	45,919	57,100	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	29,360	49,713	59,899	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	22,775	74,837	97,161	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	57,638	96,588	100,474	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	88,449	168,496	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	58,794	216,416	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	82,481	166,620	191,560	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	73,925	197,887	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	52,743	161,453	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	35,833	59,169	75,024	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	58,044	104,120	126,417	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	59,458	115,421	131,558	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1071	Physician Assistants	86,067	119,023	137,276	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	49,603	122,221	167,596	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	62,353	95,821	113,711	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	47,978	89,082	106,054	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	53,158	78,134	90,659	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	26,008	47,070	56,123	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	43,721	58,045	65,608	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	46,954	84,695	105,045	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-1128	Exercise Physiologists	32,722	49,870	61,235	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	29,250	47,448	55,534	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	57,649	131,092	157,985	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1141	Registered Nurses	51,546	65,786	74,388	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	125,103	162,789	167,771	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,169	62,192	91,193	No	Yes	Yes	Master's degree	No	No	No
29-1171	Nurse Practitioners	68,543	102,843	125,612	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	40,725	67,930	76,707	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	125,416	249,985	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	61,379	173,409	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	46,951	193,116	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	114,862	226,160	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	54,180	145,760	181,632	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	43,184	293,365	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	115,311	244,881	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	47,899	225,479	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	53,796	68,099	76,374	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	66,602	88,624	99,871	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-2010	Clinical Laboratory Technologists and Technicians	27,850	49,972	63,881	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	25,408	49,126	65,982	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2032	Diagnostic Medical Sonographers	38,785	59,964	70,123	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	43,577	70,814	84,243	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	39,458	56,550	67,168	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	40,491	63,513	76,015	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	23,320	33,195	38,043	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	20,411	25,517	28,447	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	25,058	36,521	39,847	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	23,543	30,834	31,860	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	29,802	43,018	50,257	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	26,253	32,034	35,417	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	25,721	35,716	40,335	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	35,939	46,199	50,596	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	29,308	47,957	59,749	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2091	Orthotists and Prosthetists	34,204	70,417	83,172	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	26,800	58,343	67,396	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	26,067	37,071	42,342	No	No	No	Postsecondary nondegree award	Yes	No	No
29-9091	Athletic Trainers	30,668	44,989	51,086	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	54,788	74,321	85,668	Yes	Yes	Yes	Master's degree	Yes	No	No
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	28,882	54,096	69,788	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	19,353	23,985	26,573	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	22,091	28,454	31,372	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	19,580	26,091	28,669	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	23,549	27,647	29,471	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	41,493	64,789	77,269	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	17,950	26,109	29,701	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	29,875	64,785	80,269	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
31-2022	Physical Therapist Aides	18,689	26,395	30,486	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	20,385	39,586	43,705	No	No	No	Postsecondary nondegree award	No	Yes	No
31-9091	Dental Assistants	26,671	38,496	44,761	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	22,867	30,787	35,239	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	22,250	31,460	36,083	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	24,613	32,052	36,682	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	21,169	25,498	28,571	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	21,183	31,300	38,794	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	26,279	32,010	35,461	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9099	Healthcare Support Workers, All Other	21,449	32,334	40,043	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	34,093	39,898	41,726	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	50,905	77,582	91,474	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	42,846	74,169	92,845	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	26,417	41,830	52,148	No	No	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	25,160	42,686	49,539	No	No	No	Postsecondary nondegree award	No	Yes	Yes
33-2021	Fire Inspectors and Investigators	40,449	57,044	61,373	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	27,306	32,280	35,264	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	30,281	43,046	49,870	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	28,329	41,941	49,934	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	37,752	54,459	61,208	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	19,534	26,211	28,310	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	25,437	39,491	46,315	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	40,524	53,823	61,630	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	41,452	59,715	70,896	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	21,468	30,948	37,302	No	No	No	Postsecondary nondegree award	No	No	No

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33-9021	Private Detectives and Investigators	30,723	45,440	55,377	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	23,052	31,994	36,258	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	19,833	26,008	27,389	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	21,416	27,227	30,565	No	No	No	No formal educational credential	Yes	Yes	Yes
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	17,885	26,551	29,167	No	No	No	No formal educational credential	No	Yes	No
33-9093	Transportation Security Screeners	32,980	39,113	41,756	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	20,018	28,019	33,125	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	34,291	46,975	56,704	Yes	Yes	Yes	Associate's degree	Yes	No	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	21,457	32,885	40,672	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,703	19,695	20,280	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	19,140	24,464	27,902	No	No	No	No formal educational credential	No	No	No
35-2013	Cooks, Private Household	19,386	27,776	32,584	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	19,644	27,239	30,392	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	18,622	21,794	23,443	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	19,957	28,135	33,090	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	19,108	26,714	30,912	No	No	No	No formal educational credential	No	Yes	Yes
35-3011	Bartenders	18,595	27,894	33,525	No	No	No	No formal educational credential	No	Yes	Yes
35-3023	Fast Food and Counter Workers	18,613	20,880	20,745	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,560	25,874	30,028	No	No	No	No formal educational credential	No	No	Yes
35-3041	Food Servers, Nonrestaurant	19,039	22,877	24,318	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,619	21,336	21,966	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	18,696	22,152	24,414	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,747	21,929	23,924	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	17,425	25,326	28,310	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	24,147	44,876	59,334	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	29,587	48,816	57,930	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,596	28,398	33,762	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	18,848	22,769	24,448	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	19,874	33,615	48,571	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	23,217	35,223	40,415	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	20,319	27,231	30,901	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21,451	31,115	36,098	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	24,519	34,691	40,191	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	24,111	33,007	36,507	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	33,615	51,611	60,885	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	26,063	42,176	50,558	No	No	Yes	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	27,962	42,786	47,619	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
39-2021	Animal Caretakers	19,254	25,287	26,853	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	16,973	23,107	26,072	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,143	25,372	28,651	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	18,548	31,920	32,970	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	17,563	27,555	30,198	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	17,553	23,466	26,054	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,340	21,065	21,973	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	24,120	51,850	67,562	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	17,922	25,474	29,038	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	17,452	23,973	27,896	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	31,221	52,421	53,416	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
39-4021	Funeral Attendants	20,677	27,394	30,505	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	33,444	73,043	62,542	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
39-5011	Barbers	20,178	29,296	34,858	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,122	26,180	29,867	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	33,532	65,084	75,095	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	19,167	27,095	32,611	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	17,738	24,249	27,979	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,405	33,237	38,376	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	17,342	22,996	26,238	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	19,395	26,717	29,664	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	20,682	25,987	28,356	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	18,619	27,306	30,199	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	19,312	32,565	39,531	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	18,545	24,747	27,496	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	19,362	23,477	25,077	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	17,351	25,989	28,771	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	26,235	44,762	50,218	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	39,689	76,864	100,656	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	18,961	23,016	25,084	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	17,489	26,358	32,584	No	No	No	No formal educational credential	No	Yes	Yes
41-2021	Counter and Rental Clerks	19,125	27,590	31,662	No	No	No	No formal educational credential	No	Yes	Yes
41-2022	Parts Salespersons	19,473	31,864	38,233	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,159	26,698	28,914	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	19,268	51,822	57,780	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	22,788	49,697	52,890	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	33,017	53,353	57,501	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	34,260	53,167	67,045	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes

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41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	27,228	54,306	65,107	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	32,163	67,258	86,746	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	25,407	63,778	77,242	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,064	36,138	45,449	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models	19,064	36,138	45,449	No	No	No	High school diploma or equivalent	No	No	Yes
41-9021	Real Estate Brokers	37,263	96,299	157,149	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	18,410	56,289	65,075	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	51,675	102,844	132,812	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	19,507	30,251	37,266	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,314	25,391	27,583	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	18,742	33,256	35,862	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	28,884	49,580	61,053	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	22,550	31,548	36,896	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	22,223	28,927	30,051	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	27,196	37,640	44,501	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	19,558	36,619	45,417	No	No	No	High school diploma or equivalent	No	No	Yes
43-3021	Billing and Posting Clerks	26,962	36,279	39,926	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	21,472	36,240	40,990	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	18,272	25,750	29,102	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	27,608	37,849	41,213	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	25,245	40,256	45,293	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	25,797	34,272	38,691	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	23,966	33,975	43,648	No	No	No	Some college, no degree	Yes	No	Yes
43-4011	Brokerage Clerks	32,556	50,017	59,752	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks										
43-4031	Court, Municipal, and License Clerks	26,250	35,098	39,264	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	26,550	34,856	39,235	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	21,869	31,906	36,619	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	24,700	33,385	39,822	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	25,277	32,685	37,825	No	No	No	High school diploma or equivalent	Yes	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	18,888	22,929	24,931	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	21,674	32,232	36,692	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	19,714	24,512	26,813	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	29,922	44,378	53,584	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	27,435	37,483	42,631	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	21,809	29,533	32,597	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	23,785	34,656	39,834	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	20,008	26,679	30,255	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	20,286	27,716	25,519	No	No	No	High school diploma or equivalent	No	No	No
43-4199	Information and Record Clerks, All Other	24,027	33,985	38,350	No	No	No	High school diploma or equivalent	No	No	No
43-5011	Cargo and Freight Agents	24,967	41,001	47,282	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	23,468	28,341	30,755	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	26,716	34,549	39,087	No	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	24,001	34,549	38,879	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	22,805	35,635	38,718	No	No	No	High school diploma or equivalent	No	No	No
43-5051	Postal Service Clerks	37,762	51,742	62,992	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,610	55,171	68,339	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	31,718	47,531	58,002	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	26,861	42,106	51,700	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	21,576	30,180	32,344	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	30,307	35,263	38,686	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	28,913	45,490	51,967	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	24,850	36,281	41,345	No	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	25,314	33,265	37,042	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	21,541	32,850	38,225	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	24,779	36,891	47,072	No	No	No	High school diploma or equivalent	Yes	No	Yes
43-9022	Word Processors and Typists	20,314	30,667	38,401	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	26,496	48,737	53,259	No	Yes	Yes	Associate's degree	No	Yes	No
43-9041	Insurance Claims and Policy Processing Clerks	22,102	32,911	37,659	No	No	No	High school diploma or equivalent	No	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	18,953	29,139	34,297	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	20,038	34,219	39,392	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	20,828	27,945	32,160	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	24,507	38,984	51,684	No	No	Yes	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	30,207	50,938	62,413	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	23,765	36,669	41,991	No	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	35,948	55,916	66,755	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	18,889	34,361	43,469	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	20,141	36,627	42,106	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	23,613	31,221	35,052	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	21,348	30,898	35,319	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	19,292	34,207	41,190	No	No	No	No formal educational credential	No	Yes	Yes
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	21,909	28,261	30,757	No	No	No	No formal educational credential	Yes	Yes	Yes

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May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
45-2099	Agricultural Workers, All Other	18,279	21,765	19,865	No	No	No	No formal educational credential	No	No	No
45-3031	Fishing and Hunting Workers	19,322	29,692	38,054	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	33,376	38,109	41,406	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	25,253	34,591	37,934	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	17,305	33,385	42,512	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	21,265	30,696	35,742	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,171	43,644	54,972	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	33,877	55,154	62,452	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	32,298	47,798	56,086	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	29,178	42,218	49,207	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2022	Stonemasons	30,309	36,424	40,135	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	27,131	39,967	40,915	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
47-2041	Carpet Installers	18,511	24,175	28,653	No	No	No	No formal educational credential	No	No	No
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,121	36,838	47,982	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	24,092	32,970	37,658	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	27,134	36,304	40,483	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	31,239	42,086	48,976	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	31,331	41,250	46,389	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	22,673	30,853	35,507	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	24,606	32,899	40,179	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	31,009	46,647	55,571	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	27,164	36,111	40,353	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	21,394	34,407	42,005	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	17,415	37,870	46,407	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	29,956	42,191	48,259	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	25,630	31,335	35,237	No	No	No	High school diploma or equivalent	Yes	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	25,280	36,277	42,650	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	26,947	36,737	42,493	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	25,023	32,759	37,323	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	30,410	44,096	56,446	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	26,722	33,636	37,976	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	29,388	47,591	53,198	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	24,915	39,920	46,473	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	29,130	41,876	48,157	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	22,159	35,269	40,574	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	21,526	33,347	38,067	No	No	No	High school diploma or equivalent	No	No	No
47-2221	Structural Iron and Steel Workers	37,549	46,228	49,256	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	23,494	33,256	37,198	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	21,530	28,389	31,960	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	24,204	30,062	33,751	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	20,192	27,665	31,552	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	18,234	25,108	29,499	No	No	No	No formal educational credential	No	No	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	19,397	33,249	44,442	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	22,748	31,497	36,056	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	21,237	29,093	33,468	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	35,157	64,799	75,937	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	38,155	71,522	90,051	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	23,696	35,448	43,543	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	24,884	36,654	43,469	No	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	24,437	31,169	34,446	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	31,543	44,344	50,846	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	25,884	33,432	37,983	No	No	No	High school diploma or equivalent	Yes	No	No
47-4090	Miscellaneous Construction and Related Workers	21,727	29,613	32,032	No	No	No	High school diploma or equivalent	No	No	No
47-5011	Derrick Operators, Oil and Gas	21,827	31,589	36,940	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	31,653	41,692	47,190	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	22,969	49,925	64,532	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	25,621	35,684	39,792	No	No	No	High school diploma or equivalent	Yes	No	No
47-5041	Continuous Mining Machine Operators	33,431	53,204	63,473	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	33,431	53,204	63,473	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	28,246	34,536	36,654	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	31,653	41,692	47,190	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	21,827	31,589	36,940	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	31,113	41,563	48,056	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	32,851	52,301	67,074	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	32,964	58,890	76,725	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	19,700	32,387	38,165	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	28,872	53,185	67,847	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	26,919	46,642	63,993	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	31,377	54,254	65,922	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	26,072	39,942	47,264	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	31,147	50,726	63,896	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	32,316	50,551	59,549	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	39,104	66,125	83,973	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	23,521	35,043	41,812	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	22,352	40,522	51,436	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	26,128	41,655	50,478	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	21,161	40,805	53,647	No	No	Yes	Associate's degree	No	No	No
49-3021	Automotive Body and Related Repairers	29,949	47,985	50,606	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	20,151	34,536	39,822	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	25,730	38,604	46,078	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	33,172	45,664	52,090	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	24,479	39,150	47,466	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	34,405	48,546	54,213	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	33,689	51,666	58,601	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	26,330	38,459	40,102	No	No	No	Postsecondary nondegree award	Yes	Yes	No
49-3052	Motorcycle Mechanics	23,632	33,965	39,979	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	19,702	33,300	39,925	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	20,583	27,712	31,524	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	28,503	47,437	59,968	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	19,341	28,236	32,020	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	22,407	37,133	43,681	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	30,353	54,421	64,856	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	26,225	37,216	44,108	No	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9031	Home Appliance Repairers	32,280	51,049	60,730	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9041	Industrial Machinery Mechanics	26,960	42,779	50,685	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	26,583	39,426	50,081	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9044	Millwrights	29,618	46,214	56,989	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	22,057	31,267	35,466	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	31,679	54,495	68,832	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	30,642	44,180	53,817	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	17,913	38,257	50,644	No	No	Yes	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	27,754	40,624	48,770	Yes	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	21,873	32,528	37,078	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,206	40,347	50,109	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	35,346	52,393	60,047	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	20,077	31,350	36,555	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	41,480	67,921	82,518	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18,005	28,402	34,343	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	31,257	46,380	47,107	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	18,219	30,810	38,336	No	No	No	High school diploma or equivalent	No	No	No
49-9095	Manufactured Building and Mobile Home Installers	19,672	27,076	29,590	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	30,033	45,339	54,889	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	36,571	61,078	73,529	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	21,762	29,735	31,531	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	23,618	36,444	40,721	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	36,217	57,853	66,751	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	17,747	38,054	49,170	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	17,286	33,016	46,066	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	19,911	30,511	34,849	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	23,586	27,942	29,314	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	28,495	36,794	39,506	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2051	Fiberglass Laminators and Fabricators	22,425	32,376	37,430	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters	25,262	32,482	37,446	No	No	No	High school diploma or equivalent	Yes	No	No
51-2090	Miscellaneous Assemblers and Fabricators	21,626	29,300	33,310	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	21,452	30,351	36,492	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	28,527	37,966	43,554	Yes	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	26,509	34,172	38,507	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	20,648	26,367	28,946	No	No	No	No formal educational credential	Yes	Yes	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	23,613	31,221	35,052	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	23,413	34,209	39,059	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	17,940	25,888	30,060	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	19,524	25,207	28,273	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	23,779	32,823	37,271	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	24,378	32,924	36,433	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	24,544	33,772	39,500	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	23,956	32,250	37,102	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30,880	50,791	62,017	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,445	30,207	35,190	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,265	35,116	41,287	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	31,156	41,038	46,573	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 10 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-4041	Machinists	28,290	39,844	46,782	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	28,292	39,104	45,477	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4052	Pourers and Casters, Metal	24,194	38,192	45,781	No	No	No	High school diploma or equivalent	No	No	Yes
51-4061	Model Makers, Metal and Plastic	30,880	50,791	62,017	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	27,564	49,133	58,011	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	19,801	34,775	44,132	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	20,890	28,351	29,910	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24,248	30,848	32,772	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	27,564	49,133	58,011	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	28,044	38,223	41,393	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	23,254	32,851	37,723	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	20,657	32,151	36,977	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	26,468	42,235	52,541	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	26,339	35,871	38,828	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	24,249	33,164	36,746	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	19,626	31,571	35,890	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	21,699	33,125	42,514	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	22,350	33,608	36,308	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	19,322	29,369	35,392	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,584	23,999	25,521	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	19,867	22,860	24,341	No	No	No	No formal educational credential	Yes	No	No
51-6031	Sewing Machine Operators	19,966	27,979	30,907	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	18,244	28,550	34,361	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	17,563	27,500	33,182	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	19,524	26,284	31,313	No	No	No	No formal educational credential	No	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	18,447	27,371	31,994	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	23,761	28,651	32,584	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	19,506	28,909	33,928	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	17,563	24,359	27,739	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	19,414	41,673	64,872	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	35,107	63,473	75,620	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	17,342	27,270	29,010	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	23,666	30,420	34,710	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,231	25,382	31,009	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	22,622	30,862	35,875	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	18,336	34,002	42,143	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	20,040	28,347	31,524	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	21,833	29,712	31,910	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	21,035	37,612	52,357	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	64,863	88,688	100,523	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	46,822	74,948	93,956	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	41,480	67,921	82,518	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	35,963	53,692	60,599	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	28,052	43,189	51,876	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	29,351	47,862	58,260	Yes	Yes	Yes	Associate's degree	No	No	Yes
51-8092	Gas Plant Operators	30,484	44,169	53,057	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	27,997	47,245	54,991	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	36,092	55,175	59,098	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	24,645	41,185	52,089	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	22,729	35,346	42,576	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	24,598	33,488	38,409	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,237	30,907	35,024	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	27,463	38,437	46,459	Yes	No	No	High school diploma or equivalent	Yes	No	Yes
51-9031	Cutters and Trimmers, Hand	19,340	32,648	38,911	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	21,587	32,132	37,732	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	21,965	31,303	35,558	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,200	30,355	34,941	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	26,318	37,774	43,949	No	No	No	Postsecondary nondegree award	Yes	Yes	No
51-9071	Jewelers and Precious Stone and Metal Workers	30,036	40,312	46,430	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9081	Dental Laboratory Technicians	20,372	39,021	47,706	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	23,558	42,502	49,944	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	20,326	31,571	35,632	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	20,981	28,167	32,230	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,161	30,254	39,012	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	24,139	33,364	38,324	No	No	No	High school diploma or equivalent	No	No	No
51-9141	Semiconductor Processing Technicians	26,146	38,515	45,155	No	No	No	High school diploma or equivalent	Yes	Yes	Yes

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51-9151	Photographic Process Workers and Processing Machine Operators	22,278	38,708	46,389	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9161	Computer Numerically Controlled Tool Operators	29,239	36,364	39,848	Yes	No	No	Postsecondary nondegree award	Yes	No	No
51-9162	Computer Numerically Controlled Tool Programmers	32,867	43,795	49,316	Yes	Yes	No	Associate's degree	Yes	No	No
51-9191	Adhesive Bonding Machine Operators and Tenders	19,874	31,948	38,717	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,048	31,957	36,709	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	19,994	34,214	42,272	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,213	24,608	30,585	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	22,057	31,267	35,466	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	23,696	33,901	38,146	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	24,157	34,757	42,198	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	20,828	28,951	31,574	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	19,155	25,462	29,835	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	32,049	58,619	72,765	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	34,855	52,923	62,420	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	90,420	211,572	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	52,727	69,356	78,069	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	64,016	112,956	139,986	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	23,411	42,944	55,635	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	28,366	53,637	61,953	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,187	26,874	29,167	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,834	36,198	47,191	No	No	No	High school diploma or equivalent	No	No	Yes
53-3032	Heavy and Tractor-Trailer Truck Drivers	27,059	42,386	55,762	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	19,006	33,082	39,393	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	27,023	34,632	39,720	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19,664	29,499	32,212	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,096	26,449	30,614	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	49,317	61,925	68,216	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	49,769	62,533	71,181	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	32,013	52,301	62,524	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	49,769	62,533	71,181	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	20,620	38,855	54,760	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-4099	Rail Transportation Workers, All Other	26,680	50,975	66,539	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	21,956	37,898	44,906	No	No	No	High school diploma or equivalent	No	No	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	20,593	74,699	97,410	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	18,401	40,449	51,528	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	30,300	67,589	82,794	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	23,659	36,783	45,164	No	No	No	High school diploma or equivalent	No	No	Yes
53-6021	Parking Attendants	17,553	22,748	26,128	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	19,223	24,874	29,284	No	No	No	No formal educational credential	No	No	No
53-6041	Traffic Technicians	26,533	44,086	51,169	No	Yes	Yes	Associate's degree	No	No	No
53-6051	Transportation Inspectors	48,470	85,170	112,799	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,314	22,646	24,415	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	20,768	30,576	35,825	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	18,428	31,285	37,529	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	32,970	56,234	68,354	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	31,442	44,372	51,519	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	24,848	38,275	40,228	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	22,117	32,148	38,229	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	18,824	25,424	29,283	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	20,992	27,548	31,261	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	18,428	29,904	35,742	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,796	23,929	25,604	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	20,960	27,640	31,416	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	18,695	37,511	44,685	No	No	No	High school diploma or equivalent	No	No	Yes
53-7073	Wellhead Pumpers	23,098	36,645	45,026	No	No	No	High school diploma or equivalent	No	No	Yes
53-7081	Refuse and Recyclable Material Collectors	21,461	32,702	41,288	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	18,428	31,285	37,529	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	18,998	32,093	44,679	No	No	No	No formal educational credential	No	Yes	Yes

Workforce Region 11 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
11-1011	Chief Executives	47,474	182,613	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	32,837	94,508	115,555	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	18,648	45,208	47,600	No	Yes	No	Bachelor's degree	No	No	No
11-2011	Advertising and Promotions Managers	46,245	105,459	122,468	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	53,925	97,523	119,135	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	51,667	128,071	162,404	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	55,325	83,433	96,551	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	41,932	88,122	107,590	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	70,150	111,462	137,817	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	65,250	124,830	142,181	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	58,625	113,803	131,569	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	59,951	123,569	180,352	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	57,765	94,415	114,185	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	62,825	101,552	120,333	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	68,680	92,850	103,622	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	59,391	112,788	142,943	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	35,220	75,718	80,273	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
11-9021	Construction Managers	55,598	112,265	140,646	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	26,996	42,494	47,922	No	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	56,518	80,224	94,579	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	44,968	93,338	110,595	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9039	Education Administrators, All Other	39,544	89,501	115,239	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9041	Architectural and Engineering Managers	63,610	102,250	119,418	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	35,908	51,454	56,650	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	43,901	83,875	92,242	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	34,007	62,038	75,216	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	53,931	95,507	116,488	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	49,427	89,878	111,119	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	82,254	90,829	94,479	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	29,977	53,231	55,042	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	46,895	70,497	86,651	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9161	Emergency Management Directors	46,102	78,920	95,567	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	40,146	78,072	95,529	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	44,548	86,650	113,807	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	20,607	29,364	36,546	No	No	No	Bachelor's degree	No	No	No
13-1020	Buyers and Purchasing Agents	28,848	52,060	66,228	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	37,845	70,491	83,126	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	46,731	65,494	76,795	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	28,775	45,871	54,579	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	36,357	64,814	79,929	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	32,848	53,296	64,620	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	42,615	58,021	72,596	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1081	Logisticians	42,810	61,204	67,266	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1111	Management Analysts	38,951	85,726	100,768	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	26,422	37,474	42,088	No	No	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	30,858	51,136	52,817	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	36,837	53,875	61,686	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	33,566	54,299	59,265	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	19,384	59,159	64,728	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	32,055	67,630	82,960	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2011	Accountants and Auditors	30,991	66,223	76,825	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	44,005	62,245	69,391	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2031	Budget Analysts	42,885	60,234	64,255	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	44,782	69,949	81,239	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
13-2052	Personal Financial Advisors	36,295	116,128	150,192	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	32,933	66,818	84,904	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2061	Financial Examiners	43,891	79,454	95,825	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	32,925	38,659	39,731	Yes	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	36,163	81,093	91,105	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2081	Tax Examiners and Collectors, and Revenue Agents	26,996	46,350	53,716	No	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	18,401	25,131	35,030	No	No	No	Postsecondary nondegree award	No	No	No
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	31,737	64,954	72,181	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	40,823	66,921	78,856	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1212	Information Security Analysts	43,269	79,618	101,586	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	69,629	114,321	133,550	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	38,903	61,121	74,954	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	24,851	41,660	50,116	No	No	No	Postsecondary nondegree award	No	Yes	Yes
15-1241	Computer Network Architects	45,903	72,575	81,195	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
15-1244	Network and Computer Systems Administrators	39,486	66,869	77,864	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1245	Database Administrators and Architects	37,539	70,979	92,276	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1251	Computer Programmers	26,161	40,605	53,190	No	No	Yes	Bachelor's degree	No	No	No
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	44,229	76,131	94,604	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	28,831	52,753	52,834	Yes	Yes	Yes	Associate's degree	No	Yes	No

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May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
15-1299	Computer Occupations, All Other	18,974	56,384	75,994	No	Yes	Yes	Bachelor's degree	No	No	No
15-2011	Actuaries	47,112	111,271	137,219	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	67,113	100,608	113,777	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	34,000	67,314	85,657	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-2041	Statisticians	28,120	68,876	90,812	Yes	Yes	Yes	Master's degree	No	No	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	49,170	88,554	112,872	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	44,491	79,778	96,911	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	48,434	67,433	78,960	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1021	Cartographers and Photogrammetrists	34,116	49,649	59,165	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1022	Surveyors	29,292	53,900	73,129	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	63,616	104,382	124,421	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	41,671	76,871	95,053	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	59,404	86,839	104,258	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	47,684	93,090	117,713	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	50,029	84,316	100,888	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	60,596	97,778	118,504	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	36,567	72,384	85,301	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2072	Electronics Engineers, Except Computer	57,401	104,840	123,179	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	45,556	72,492	81,032	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	54,459	78,368	93,443	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	40,042	77,788	94,633	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	46,188	76,528	91,489	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	48,560	91,641	111,691	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	54,043	91,315	106,362	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	70,048	112,577	137,800	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	82,026	103,457	116,855	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	70,506	153,142	188,285	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	46,843	85,157	98,917	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	29,314	54,250	67,327	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3012	Electrical and Electronics Drafters	20,939	47,161	66,674	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	25,357	47,773	61,911	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3019	Drafters, All Other	31,970	52,591	60,634	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	38,802	65,427	84,390	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	27,892	42,803	55,166	Yes	No	Yes	Associate's degree	No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	34,617	50,287	60,014	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	33,636	48,017	52,302	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
17-3025	Environmental Engineering Technologists and Technicians	25,872	41,671	49,885	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	24,253	39,588	46,625	No	No	No	Associate's degree	No	No	No
17-3027	Mechanical Engineering Technologists and Technicians	31,749	46,535	53,879	Yes	Yes	Yes	Associate's degree	No	No	No
17-3031	Surveying and Mapping Technicians	21,708	35,854	41,828	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	43,188	55,774	60,730	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	39,622	61,739	73,908	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	30,588	55,431	69,763	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	30,341	68,857	93,452	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1021	Biochemists and Biophysicists	42,023	76,128	86,696	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	34,505	59,852	73,069	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	30,903	50,600	56,946	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	36,296	67,904	87,734	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1031	Conservation Scientists	32,237	66,294	82,856	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1032	Foresters	44,253	72,307	92,480	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1041	Epidemiologists	31,360	52,629	65,532	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	39,498	83,789	99,408	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	48,046	99,398	124,660	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	81,636	139,296	158,164	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	81,636	139,296	158,164	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	56,412	94,329	110,871	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	34,572	61,892	76,061	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	47,331	98,340	127,881	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	34,347	53,867	59,332	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	49,418	86,286	109,623	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	44,701	91,241	107,221	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	45,244	111,652	130,701	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	50,399	89,936	101,437	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	28,120	68,876	90,812	Yes	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	49,937	75,383	75,106	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	28,120	68,876	90,812	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	68,804	97,905	111,205	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
19-3041	Sociologists	50,542	72,192	87,572	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3051	Urban and Regional Planners	41,724	71,006	84,440	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	31,360	52,629	65,532	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	23,794	55,831	81,988	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	52,096	79,111	93,461	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	18,382	34,762	42,100	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	18,696	28,250	35,433	No	No	No	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	29,835	39,200	41,320	Yes	No	No	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	24,928	44,472	50,838	No	Yes	Yes	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	25,081	44,367	53,725	No	Yes	Yes	Associate's degree	No	No	No
19-4051	Nuclear Technicians	67,113	91,765	104,010	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	25,690	51,257	59,433	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	29,750	44,796	53,563	Yes	Yes	Yes	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	32,332	52,000	62,034	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	18,397	42,302	59,937	No	No	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	35,390	60,971	76,604	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	25,757	47,884	62,082	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	29,075	46,435	51,563	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	28,549	40,461	47,607	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	19,202	28,029	32,732	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	28,694	46,385	51,288	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	22,708	34,591	38,536	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	28,035	40,491	47,665	Yes	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	30,017	53,532	64,296	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	27,495	36,710	39,694	Yes	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	33,266	50,285	63,588	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	24,120	51,587	70,676	No	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	29,908	38,828	42,102	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	22,447	32,895	38,144	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	26,586	45,064	53,277	No	Yes	Yes	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	24,113	39,505	44,791	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	32,722	48,876	59,233	Yes	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	32,020	47,316	58,837	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	18,706	41,452	54,954	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	50,527	109,246	148,551	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
23-1012	Judicial Law Clerks	28,892	48,932	55,355	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	37,021	97,740	119,695	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	24,337	67,923	96,082	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	139,192	178,937	163,233	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	31,218	43,556	47,897	Yes	Yes	No	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	32,142	50,066	58,537	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	24,662	65,065	127,790	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	56,698	104,029	122,344	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	44,491	94,186	117,884	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	40,670	79,273	104,620	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	25,271	86,419	107,841	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	51,610	105,487	129,215	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	52,829	99,646	121,286	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	40,346	85,829	105,096	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	65,789	107,822	126,813	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	45,501	90,679	112,339	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	49,894	83,913	99,112	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	22,327	71,697	84,161	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	46,531	90,279	114,073	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	55,497	88,706	100,237	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	41,366	76,623	93,071	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	56,698	104,029	122,344	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	50,047	83,303	98,121	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	50,495	89,764	101,132	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	40,022	77,757	92,775	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	41,013	77,424	94,405	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	42,071	80,178	106,373	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	47,048	113,187	120,216	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	54,764	111,157	118,590	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	40,451	65,217	77,395	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	41,823	67,666	79,749	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	37,878	85,295	92,871	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	53,554	144,966	192,135	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	35,143	71,240	83,856	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	20,106	86,163	116,380	No	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	39,641	69,096	81,645	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	29,788	73,155	101,332	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	45,101	81,960	105,630	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	27,787	79,368	91,270	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	43,024	89,230	104,925	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	31,799	64,055	77,681	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	30,236	53,334	63,216	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	21,869	53,249	66,932	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	18,708	27,868	30,878	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	34,124	55,193	65,865	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	41,180	46,690	50,014	Yes	Yes	No	Bachelor's degree	Yes	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	41,127	46,181	49,672	Yes	Yes	No	Bachelor's degree	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	28,559	56,260	71,859	Yes	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	41,604	47,034	49,930	Yes	Yes	No	Bachelor's degree	Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	41,585	62,158	70,725	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	30,541	59,271	75,394	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	39,003	60,939	73,593	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2057	Special Education Teachers, Middle School	39,088	56,822	66,694	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	39,813	60,091	71,983	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	26,701	49,389	60,043	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	30,255	44,873	55,402	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	19,655	40,998	52,779	No	No	Yes	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	20,640	23,334	24,575	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	29,529	42,347	48,404	Yes	No	No	Bachelor's degree	No	No	No
25-4011	Archivists	25,758	32,309	31,036	No	No	No	Master's degree	No	No	No
25-4012	Curators	50,635	67,038	76,079	Yes	Yes	Yes	Master's degree	Yes	No	No
25-4013	Museum Technicians and Conservators	21,793	39,317	47,369	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	36,287	56,153	64,125	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	23,627	32,444	37,584	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	22,007	35,388	43,684	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	26,835	54,269	70,246	No	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	18,599	39,140	53,342	No	No	Yes	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	20,838	26,151	29,256	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	22,355	47,779	60,967	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	66,322	82,381	91,488	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	17,476	31,236	37,507	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,315	45,187	60,500	No	Yes	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	40,670	62,711	74,537	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	28,949	81,664	99,836	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	38,002	64,407	75,204	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	30,865	59,624	68,953	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	21,998	30,334	32,410	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	32,768	46,098	51,668	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	31,513	54,499	60,949	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	22,719	32,646	36,386	No	No	No	Some college, no degree	Yes	No	No
27-1027	Set and Exhibit Designers	21,545	46,893	58,232	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	30,588	55,945	64,169	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	20,415	42,158	46,895	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	31,341	69,772	82,446	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-2021	Athletes and Sports Competitors	17,838	67,657	79,587	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	21,968	46,062	52,133	No	Yes	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	18,209	23,663	20,061	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	19,186	52,723	77,419	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	17,600	37,097	56,336	No	No	Yes	Some college, no degree	No	Yes	Yes
27-2041	Music Directors and Composers	28,954	59,653	75,789	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,057	85,506	119,875	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,058	24,804	28,864	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,972	56,755	69,743	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	29,952	43,746	52,785	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	26,618	49,172	63,280	No	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	27,559	51,779	68,591	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	33,714	46,339	49,330	Yes	Yes	No	Bachelor's degree	No	No	No
27-3043	Writers and Authors	27,082	65,017	68,028	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	19,013	44,278	56,750	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,477	48,741	80,102	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	18,239	42,833	53,306	No	No	Yes	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	26,276	35,146	38,373	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	21,021	44,529	54,364	No	Yes	Yes	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	22,498	53,849	61,853	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	18,794	28,143	32,303	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	22,317	47,512	59,080	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	30,379	51,438	61,977	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	23,565	77,433	100,532	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	33,190	80,759	91,375	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	85,295	105,418	115,067	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1022	Oral and Maxillofacial Surgeons	60,834	223,924	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	85,343	172,400	198,205	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	76,490	204,752	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	54,573	167,055	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	43,116	60,059	70,409	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041	Optometrists	42,450	132,111	157,056	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1051	Pharmacists	61,767	108,096	128,027	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1071	Physician Assistants	87,855	117,041	133,643	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	51,324	126,461	173,411	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	71,906	94,951	103,875	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	66,466	92,189	105,799	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1124	Radiation Therapists	59,047	81,967	97,005	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	35,634	50,329	58,007	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	43,747	56,559	63,042	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	43,185	70,497	94,316	Yes	Yes	Yes	Master's degree	No	No	Yes
29-1128	Exercise Physiologists	33,857	51,600	63,359	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	30,264	49,094	57,460	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	87,021	115,742	132,358	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	44,092	60,641	66,821	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	129,443	168,436	173,592	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,869	64,350	94,357	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	73,819	108,275	126,131	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	42,138	70,287	79,368	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	129,767	258,658	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	64,887	220,222	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	48,579	199,816	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	118,847	234,006	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	56,060	150,817	187,933	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	44,682	192,040	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	139,191	253,472	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	49,561	233,301	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	54,550	63,324	67,625	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	20,650	64,169	77,357	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	28,233	51,066	63,658	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	25,664	45,069	60,374	No	Yes	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	52,215	62,817	69,403	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	54,462	66,782	76,657	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	36,566	55,217	65,611	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	49,030	67,104	77,182	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	26,700	36,855	42,959	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2051	Dietetic Technicians	19,735	28,473	30,817	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	23,336	31,084	35,252	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	21,812	33,497	40,081	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	27,603	43,022	49,196	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	21,350	38,668	43,220	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	27,284	41,404	49,561	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	32,792	43,719	49,461	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	26,765	44,324	58,105	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2091	Orthotists and Prosthetists	35,391	72,859	86,057	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-2092	Hearing Aid Specialists	27,730	60,367	69,734	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	26,252	39,028	45,515	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	36,250	49,082	53,898	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	56,689	76,900	88,640	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	19,126	36,411	46,803	No	No	No	Postsecondary nondegree award	No	No	Yes
31-1120	Home Health and Personal Care Aides	19,879	29,893	36,796	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,771	27,604	30,464	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	20,259	26,996	29,664	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	24,366	28,606	30,493	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	50,734	64,638	75,138	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	18,572	27,015	30,731	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	35,399	55,976	64,254	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	23,707	30,606	32,512	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	18,839	38,621	47,693	No	No	No	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	24,618	35,647	40,088	No	No	No	Postsecondary nondegree award	No	No	No
31-9092	Medical Assistants	26,232	31,765	35,016	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9093	Medical Equipment Preparers	22,653	30,000	33,085	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	25,172	35,188	39,451	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	20,516	31,055	37,106	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	22,667	30,343	35,513	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	23,633	31,609	36,672	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	21,272	27,584	26,316	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	32,732	45,654	47,083	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	37,842	63,548	79,151	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	40,568	58,217	67,102	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	27,743	44,615	57,735	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	26,034	36,188	42,015	No	No	No	Postsecondary nondegree award	Yes	No	No
33-2021	Fire Inspectors and Investigators	41,852	59,023	63,502	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	28,254	33,399	36,487	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	29,597	47,692	58,204	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,268	35,644	37,160	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	41,228	53,433	60,034	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	20,211	27,120	29,292	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	26,319	40,861	47,922	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	34,694	47,592	52,170	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
33-3052	Transit and Railroad Police	42,890	61,787	73,355	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	27,330	34,323	38,761	Yes	No	No	Postsecondary nondegree award	Yes	No	No

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33-9021	Private Detectives and Investigators	48,938	64,109	67,055	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	23,851	33,104	37,516	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	20,017	26,043	28,518	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	20,273	26,278	29,828	No	No	No	No formal educational credential	Yes	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	22,887	29,267	30,890	No	No	No	No formal educational credential	Yes	Yes	Yes
33-9093	Transportation Security Screeners	40,155	45,064	47,996	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
33-9098	School Bus Monitors and Protective Service Workers, All Other	19,744	33,295	38,278	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	25,395	39,041	41,796	No	No	No	Associate's degree	No	No	No
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	23,210	35,948	40,971	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,949	23,224	25,843	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	20,142	26,771	30,387	No	No	No	No formal educational credential	Yes	No	Yes
35-2013	Cooks, Private Household	20,059	28,740	33,714	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	23,232	32,429	36,941	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	20,273	28,440	33,514	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2019	Cooks, All Other	20,650	29,111	34,238	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	19,376	26,353	30,234	No	No	No	No formal educational credential	No	No	Yes
35-3011	Bartenders	18,653	25,835	27,681	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,591	21,219	22,088	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,756	25,257	29,364	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	19,082	23,331	24,630	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,801	21,271	22,719	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	19,656	24,357	27,030	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	19,016	23,581	26,175	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	18,029	26,205	29,292	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	30,598	44,029	54,867	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	32,718	50,677	64,800	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,426	25,216	28,269	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,695	23,756	25,120	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	20,564	34,781	50,256	No	No	Yes	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	24,396	39,238	47,852	No	No	No	High school diploma or equivalent	No	No	Yes
37-3011	Landscaping and Groundskeeping Workers	21,292	28,250	31,584	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21,564	32,428	37,507	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	21,183	34,419	43,319	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	24,947	34,152	37,773	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	34,781	53,401	62,997	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	25,811	39,691	43,911	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	29,978	43,419	51,261	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
39-2021	Animal Caretakers	19,105	31,340	43,797	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	17,562	23,909	26,977	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,772	26,253	29,645	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,192	33,028	34,114	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	18,172	28,511	31,246	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	18,613	26,533	32,010	No	No	No	No formal educational credential	No	No	Yes
39-3091	Amusement and Recreation Attendants	19,160	25,142	25,866	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	24,957	53,649	69,905	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	18,544	26,357	30,045	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,058	24,804	28,864	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	32,304	54,240	55,269	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
39-4021	Funeral Attendants	20,297	28,559	30,179	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	32,215	43,639	49,912	Yes	Yes	No	Associate's degree	No	No	No
39-5011	Barbers	20,878	30,312	36,068	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	18,754	26,225	29,924	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	34,695	67,342	77,700	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	18,944	24,025	25,261	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	18,353	25,090	28,949	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	21,557	32,369	37,972	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	20,608	30,111	36,124	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	18,628	25,735	30,169	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	18,322	23,725	25,729	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,759	24,297	25,056	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	18,572	35,349	48,035	No	No	No	Postsecondary nondegree award	No	No	Yes
39-9032	Recreation Workers	19,393	28,503	32,401	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	21,212	38,577	46,248	No	No	No	Some college, no degree	No	Yes	Yes
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	17,953	26,891	29,769	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	26,488	48,490	57,895	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	37,263	68,482	78,203	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,280	24,091	26,589	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,096	27,272	33,714	No	No	No	No formal educational credential	No	Yes	Yes
41-2021	Counter and Rental Clerks	20,667	29,900	32,974	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	19,783	32,791	37,996	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,010	27,462	30,474	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	24,062	54,762	63,571	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-3021	Insurance Sales Agents	19,327	55,257	62,632	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	35,240	60,238	56,611	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	27,131	42,867	47,177	Yes	No	No	Some college, no degree	Yes	Yes	Yes

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41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	25,863	59,450	57,087	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	23,186	83,147	93,837	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	28,020	68,202	84,482	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,725	37,392	47,026	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models	19,725	37,392	47,026	No	No	No	High school diploma or equivalent	No	No	Yes
41-9021	Real Estate Brokers	33,948	50,979	61,425	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	18,990	40,552	56,028	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	53,468	106,411	137,419	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	19,201	24,562	26,191	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,915	26,272	28,540	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,570	32,584	37,836	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	30,274	51,520	62,582	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	20,112	27,315	30,432	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	22,994	29,931	31,093	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	28,139	38,945	46,045	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	23,427	36,149	39,984	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	27,058	35,348	40,091	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	23,213	36,179	41,546	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	18,906	26,643	30,112	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	29,388	42,314	48,574	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	31,516	44,239	53,922	Yes	Yes	Yes	Associate's degree	No	No	No
43-3071	Tellers	27,462	33,721	37,850	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	29,197	44,634	52,181	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	33,685	51,753	61,825	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	27,901	39,898	46,397	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4031	Court, Municipal, and License Clerks	27,641	37,520	39,680	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	26,712	34,998	38,466	No	No	No	Some college, no degree	Yes	Yes	No
43-4051	Customer Service Representatives	21,281	31,793	36,461	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	25,557	34,543	41,204	No	No	No	High school diploma or equivalent	Yes	No	No
43-4071	File Clerks	25,241	34,144	38,559	No	No	No	High school diploma or equivalent	Yes	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	18,815	23,852	25,910	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	27,555	34,007	37,368	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4121	Library Assistants, Clerical	18,840	26,728	30,358	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	28,644	43,743	56,635	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	28,387	38,783	44,110	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	21,086	33,528	40,106	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	27,227	36,000	41,793	Yes	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	20,652	28,621	32,575	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	19,228	28,998	36,168	No	No	No	High school diploma or equivalent	No	No	No
43-4199	Information and Record Clerks, All Other	29,254	40,202	46,382	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5011	Cargo and Freight Agents	23,756	33,457	37,254	No	No	No	High school diploma or equivalent	No	No	No
43-5021	Couriers and Messengers	20,919	28,726	31,794	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	29,065	38,212	41,901	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	22,908	34,654	40,266	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	28,686	39,148	45,868	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,762	51,633	62,993	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,061	52,945	65,033	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	48,204	60,405	64,255	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	28,059	45,824	54,082	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	21,524	30,873	34,853	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	26,813	32,537	37,162	No	No	No	High school diploma or equivalent	Yes	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	28,040	48,204	59,719	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	29,606	47,914	57,933	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	24,041	32,208	36,929	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	24,701	34,421	39,122	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	20,248	32,174	37,488	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	19,354	31,303	37,364	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	27,415	50,428	55,107	Yes	Yes	Yes	Associate's degree	No	Yes	No
43-9041	Insurance Claims and Policy Processing Clerks	25,370	38,502	41,714	No	No	No	High school diploma or equivalent	Yes	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	25,150	29,484	31,403	No	No	No	High school diploma or equivalent	Yes	No	No
43-9061	Office Clerks, General	20,178	32,547	38,337	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	19,954	34,525	40,564	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	25,357	40,337	53,477	No	No	Yes	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	31,255	52,705	64,579	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	26,297	36,220	41,905	No	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	29,826	53,134	58,499	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	19,544	35,553	44,977	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	20,840	37,897	43,567	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	24,433	32,304	36,268	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	22,088	31,970	36,544	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	18,096	23,442	24,356	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	19,672	22,537	24,128	No	No	No	No formal educational credential	No	No	No

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45-2099	Agricultural Workers, All Other	18,734	27,634	27,920	No	No	No	No formal educational credential	No	Yes	No
45-3031	Fishing and Hunting Workers	19,992	30,722	39,374	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	34,533	39,431	42,843	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	26,129	35,791	39,250	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	17,905	34,543	43,986	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	22,003	31,760	36,982	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,801	45,158	56,879	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	41,180	60,804	72,627	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	33,419	49,456	58,032	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	23,702	39,444	47,413	No	No	No	High school diploma or equivalent	No	No	Yes
47-2022	Stonemasons	31,360	37,688	41,528	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	22,738	37,609	45,881	No	No	No	Postsecondary nondegree award	No	Yes	Yes
47-2041	Carpet Installers	17,838	31,074	40,089	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,889	38,116	49,647	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	24,928	34,114	38,964	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	22,727	36,315	43,760	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	29,333	39,168	45,154	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	32,418	42,681	47,998	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	24,687	34,315	38,933	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	25,910	32,072	36,449	No	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	32,084	48,265	57,499	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	27,955	39,285	43,371	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	29,382	39,693	46,776	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	18,020	39,184	48,017	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	24,371	41,328	50,363	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
47-2121	Glaziers	25,919	40,270	48,455	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	26,157	37,535	44,129	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	27,882	38,012	43,967	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	23,204	31,339	36,050	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	31,465	45,625	58,404	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	27,970	37,419	43,944	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	24,670	41,498	49,464	No	No	No	Postsecondary nondegree award	No	Yes	Yes
47-2161	Plasterers and Stucco Masons	21,784	36,001	43,558	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	30,141	43,329	49,828	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	22,950	37,135	43,384	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	27,855	39,823	47,100	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	33,056	39,354	40,380	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2231	Solar Photovoltaic Installers	24,309	34,410	38,488	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	21,164	29,064	34,038	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	31,665	37,456	41,684	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	19,583	30,507	36,421	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	19,725	26,901	31,341	No	No	No	No formal educational credential	No	Yes	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	19,017	28,193	32,470	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	23,537	32,590	37,306	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	21,974	30,102	34,629	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	40,352	58,043	69,367	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	39,479	74,003	93,176	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	24,518	36,678	45,054	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	25,748	37,926	44,977	No	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	21,741	29,477	32,673	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	32,637	45,883	52,610	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	24,576	36,468	39,374	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	26,072	37,078	41,947	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	32,752	43,138	48,827	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	23,766	51,657	66,770	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	24,966	39,308	45,568	No	No	No	High school diploma or equivalent	Yes	No	No
47-5041	Continuous Mining Machine Operators										
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining										
47-5051	Rock Splitters, Quarry	29,226	35,734	37,926	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	32,752	43,138	48,827	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	22,584	32,685	38,221	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	25,214	43,700	50,809	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	33,990	54,116	69,400	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	34,038	58,007	70,407	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	20,095	38,930	46,962	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	29,874	55,031	70,201	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	37,911	59,954	77,293	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	32,466	56,136	68,209	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	26,977	41,328	48,903	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	32,227	52,486	66,113	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	27,610	39,793	43,012	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	40,461	68,419	86,886	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	24,337	36,258	43,262	No	No	No	Postsecondary nondegree award	No	No	Yes
49-2097	Audiovisual Equipment Installers and Repairers	23,127	41,928	53,220	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	27,034	43,100	52,229	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	34,848	51,730	60,674	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	27,344	46,015	56,281	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	20,850	35,734	41,204	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	22,721	47,676	55,902	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	29,017	39,475	42,361	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-3041	Farm Equipment Mechanics and Service Technicians	25,328	40,508	49,113	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	30,454	43,394	50,479	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	34,857	53,458	60,634	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	24,927	41,368	47,158	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3052	Motorcycle Mechanics	24,849	43,973	55,065	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	30,910	38,739	44,542	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	21,298	28,673	32,618	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	26,081	45,768	57,804	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	20,097	29,893	35,334	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	23,184	38,421	45,197	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	27,845	38,207	44,501	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	19,488	38,959	47,298	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9031	Home Appliance Repairers	25,233	38,650	46,207	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9041	Industrial Machinery Mechanics	29,295	52,875	60,602	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	23,899	37,916	46,588	No	No	No	High school diploma or equivalent	No	No	Yes
49-9044	Millwrights	30,646	47,817	58,966	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	29,396	56,217	82,334	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	33,847	43,768	49,445	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	18,534	39,584	52,401	No	No	Yes	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	26,167	49,037	61,348	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-9063	Musical Instrument Repairers and Tuners	22,632	33,657	38,364	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,907	41,747	51,848	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	36,573	54,211	62,130	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	20,025	32,549	38,496	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	42,919	70,277	85,381	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18,629	29,388	35,534	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	32,342	47,989	48,741	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	21,732	32,100	38,598	No	No	No	High school diploma or equivalent	No	No	No
49-9095	Manufactured Building and Mobile Home Installers	20,354	28,016	30,617	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	34,307	55,057	72,084	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	37,840	63,197	76,080	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	18,566	24,599	27,814	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	22,354	35,552	43,378	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	34,978	62,134	79,124	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	18,363	39,374	50,876	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	17,886	34,162	47,665	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	25,695	30,364	31,260	No	No	No	High school diploma or equivalent	Yes	No	No
51-2031	Engine and Other Machine Assemblers	24,404	28,911	30,331	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	27,056	38,004	43,127	No	No	No	High school diploma or equivalent	Yes	No	No
51-2051	Fiberglass Laminators and Fabricators	24,776	34,324	38,212	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	22,515	32,674	37,866	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	21,953	30,032	35,008	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	25,178	38,066	45,212	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	20,735	29,702	35,267	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	21,364	27,282	29,950	No	No	No	No formal educational credential	Yes	Yes	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	24,433	32,304	36,268	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,896	28,997	33,514	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	18,563	26,786	31,103	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,202	26,081	29,254	No	No	No	No formal educational credential	Yes	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	22,367	31,985	37,259	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	25,224	34,067	37,697	No	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	25,395	34,943	40,870	No	No	No	High school diploma or equivalent	Yes	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,418	27,000	30,660	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	31,951	52,553	64,169	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,326	32,185	38,238	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,003	36,334	42,719	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	32,237	42,462	48,189	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

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51-4041	Machinists	27,367	42,720	50,065	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	29,273	40,461	47,055	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4052	Pourers and Casters, Metal										
51-4061	Model Makers, Metal and Plastic	31,951	52,553	64,169	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	28,521	50,838	60,024	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	20,488	35,982	45,663	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	25,271	38,895	48,821	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24,423	34,572	37,954	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	29,966	49,412	61,563	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	27,319	39,084	43,199	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	31,256	36,939	38,804	Yes	No	No	Postsecondary nondegree award	Yes	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	21,374	33,266	38,259	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	27,387	43,700	54,364	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	27,253	37,116	40,175	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,090	34,314	38,021	No	No	No	High school diploma or equivalent	Yes	No	No
51-4199	Metal Workers and Plastic Workers, All Other	20,307	32,666	37,135	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	21,784	36,906	44,063	No	No	No	Postsecondary nondegree award	No	No	Yes
51-5112	Printing Press Operators	19,916	32,369	38,315	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	19,992	30,388	36,620	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	19,695	23,909	25,318	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	18,248	23,318	26,472	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	22,312	32,428	37,783	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	18,877	29,540	35,553	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,172	28,454	34,333	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,202	27,196	32,399	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	19,087	28,320	33,104	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	24,585	29,645	33,714	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20,183	29,912	35,105	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18,172	25,204	28,702	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,087	43,119	67,123	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	36,325	65,675	78,243	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	17,943	28,216	30,017	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	22,984	37,183	44,148	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,829	26,262	32,084	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	25,482	36,511	44,082	No	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Furniture Finishers	18,972	35,181	43,605	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	20,735	29,331	32,618	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	21,545	27,303	29,745	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	21,764	38,917	54,173	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	67,113	91,765	104,010	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	48,446	77,548	97,216	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	42,919	70,277	85,381	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	37,211	55,555	62,701	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	31,130	43,914	52,498	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	30,369	49,523	60,281	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
51-8092	Gas Plant Operators	31,541	45,702	54,897	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	28,968	48,884	56,898	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	37,345	57,089	61,148	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	25,500	42,614	53,897	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	23,518	36,573	44,053	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	22,775	34,333	39,555	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,974	31,980	36,239	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	26,048	35,026	41,515	No	No	No	High school diploma or equivalent	Yes	No	No
51-9031	Cutters and Trimmers, Hand	20,011	33,781	40,260	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	27,184	38,649	43,628	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,727	32,389	36,792	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,936	31,408	36,153	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	25,637	42,471	49,637	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	23,299	43,110	54,992	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	29,380	48,220	68,767	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9082	Medical Appliance Technicians	24,375	43,977	51,676	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	25,577	34,755	37,895	No	No	No	High school diploma or equivalent	Yes	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	19,591	27,994	31,964	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	26,915	29,953	31,913	No	No	No	High school diploma or equivalent	Yes	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	25,047	37,538	40,330	No	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians	27,053	39,851	46,721	No	No	No	High school diploma or equivalent	Yes	Yes	Yes

Workforce Region 11 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-9151	Photographic Process Workers and Processing Machine Operators	23,051	40,051	47,998	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9161	Computer Numerically Controlled Tool Operators	27,488	41,526	51,375	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9162	Computer Numerically Controlled Tool Programmers	43,534	63,576	75,664	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	20,564	33,056	40,060	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,813	33,066	37,983	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	20,688	35,401	43,739	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,810	25,462	31,646	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	27,048	34,881	38,548	No	No	No	High school diploma or equivalent	Yes	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	24,518	35,077	39,470	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	24,995	35,963	43,662	No	No	No	High school diploma or equivalent	Yes	No	No
51-9198	Helpers--Production Workers	19,288	26,262	30,455	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	18,762	26,934	32,045	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	33,161	60,653	75,289	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	22,628	48,158	57,024	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	93,557	218,912	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	41,099	120,486	150,893	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	66,237	116,874	144,842	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	24,223	44,434	57,565	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	29,350	55,497	64,102	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,888	27,806	30,179	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,875	28,992	34,636	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	28,679	40,878	45,779	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	20,419	44,112	52,025	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
53-3052	Bus Drivers, Transit and Intercity	22,975	35,058	40,689	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	22,743	32,330	38,199	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	18,233	20,937	22,877	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	51,028	64,074	70,582	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	51,495	64,703	73,650	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	33,123	54,116	64,693	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	51,495	64,703	73,650	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	21,336	40,203	56,660	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-4099	Rail Transportation Workers, All Other	27,606	52,744	68,848	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	22,717	39,212	46,464	No	No	No	High school diploma or equivalent	No	No	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	21,307	77,291	100,789	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	19,039	41,852	53,315	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	31,351	69,934	85,667	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	24,480	38,059	46,731	No	No	No	High school diploma or equivalent	No	No	Yes
53-6021	Parking Attendants	18,837	22,268	24,276	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	20,793	26,154	29,150	No	No	No	No formal educational credential	Yes	No	No
53-6041	Traffic Technicians	33,233	44,359	50,518	Yes	Yes	Yes	Associate's degree	Yes	No	No
53-6051	Transportation Inspectors	50,152	88,125	116,712	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,915	23,432	25,262	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	18,728	25,785	27,542	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,068	32,370	38,831	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	34,114	58,185	70,725	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	32,532	45,911	53,306	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	25,710	39,603	41,623	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	27,602	34,800	39,077	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	18,838	22,879	25,429	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	20,034	28,277	31,428	No	No	No	No formal educational credential	No	Yes	Yes
53-7063	Machine Feeders and Offbearers	19,068	30,941	36,982	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,798	23,704	24,876	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	21,610	28,734	32,412	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	33,476	62,139	74,708	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	19,344	38,812	46,235	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	22,846	34,974	39,691	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,068	32,370	38,831	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	23,311	29,509	32,335	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 12 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
11-1011	Chief Executives	72,992	198,014	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	41,683	104,664	131,290	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	19,429	92,368	145,935	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2011	Advertising and Promotions Managers	43,826	128,956	173,421	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	30,932	121,309	160,651	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2022	Sales Managers	51,161	124,881	161,109	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	57,848	128,247	142,757	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	52,990	97,560	123,959	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	83,341	147,492	176,981	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	65,698	140,284	176,301	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	55,334	108,252	136,192	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	75,147	134,082	163,225	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	44,425	88,267	107,460	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	76,062	110,698	130,725	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	56,951	110,469	132,496	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	60,693	103,998	125,668	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	36,208	77,843	82,526	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9021	Construction Managers	56,707	93,081	112,136	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	18,847	40,888	56,121	No	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	50,616	85,534	99,051	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	59,818	103,687	119,724	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	42,564	74,329	100,357	Yes	Yes	Yes	Master's degree	No	No	Yes
11-9041	Architectural and Engineering Managers	98,015	152,048	180,382	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	37,135	63,188	74,889	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	45,132	86,229	94,830	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	35,588	66,873	72,975	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	46,990	101,459	120,369	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	52,487	108,479	136,234	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	72,201	87,240	94,682	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	33,117	59,773	66,787	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	37,430	70,919	83,748	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9161	Emergency Management Directors	44,185	77,154	108,093	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
11-9171	Funeral Home Managers	40,023	95,515	93,812	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	49,421	104,907	132,295	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	33,426	83,819	100,796	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	35,663	69,780	89,186	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	37,694	66,101	80,097	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	46,328	63,592	72,688	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	32,765	62,071	82,609	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	33,832	63,200	76,144	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	34,110	61,371	74,272	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	36,208	77,843	82,526	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	39,299	77,449	88,450	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	35,950	72,056	90,975	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	42,873	95,890	113,089	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	25,461	49,005	61,600	No	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	30,679	55,183	69,513	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	37,519	65,023	71,550	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	25,406	57,410	75,159	No	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	23,140	58,783	75,414	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	33,269	76,066	97,287	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	43,259	73,101	86,126	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2020	Property Appraisers and Assessors	34,020	53,857	66,315	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	45,163	75,263	87,225	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	46,995	86,659	115,753	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	25,175	99,978	116,739	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	28,916	66,715	89,388	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	38,842	62,282	76,659	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2071	Credit Counselors	33,304	41,694	46,853	Yes	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	21,873	78,425	96,801	No	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,215	48,744	62,319	No	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	23,286	58,587	78,742	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	40,105	76,613	92,690	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	47,864	92,182	113,216	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	57,427	100,671	125,709	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	69,206	101,147	118,588	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	32,156	60,084	66,994	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
15-1232	Computer User Support Specialists	29,678	51,845	62,463	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	67,525	107,685	127,818	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	53,828	84,969	102,608	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1245	Database Administrators and Architects	47,886	92,518	117,314	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	54,131	86,576	103,298	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	47,368	95,874	120,862	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	34,515	65,304	79,884	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 12 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
15-1299	Computer Occupations, All Other	27,100	68,906	94,621	No	Yes	Yes	Bachelor's degree	No	No	No
15-2011	Actuaries	44,973	110,298	150,017	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	68,997	103,431	116,970	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	43,984	78,889	96,552	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-2041	Statisticians	41,328	73,641	86,361	Yes	Yes	Yes	Master's degree	No	No	No
15-2098	Data Scientists and Mathematical Science Occupations, All Other	52,938	82,035	103,530	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
17-1011	Architects, Except Landscape and Naval	46,490	84,738	99,420	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-1012	Landscape Architects	55,326	91,847	105,474	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1021	Cartographers and Photogrammetrists	32,335	56,621	65,665	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1022	Surveyors	29,183	63,824	85,192	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	68,266	105,711	126,179	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	42,840	79,028	97,720	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2031	Bioengineers and Biomedical Engineers	67,943	95,349	116,529	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	87,326	150,792	191,340	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	55,974	93,728	115,084	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	69,125	107,394	124,276	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	60,756	104,845	128,635	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	66,669	108,326	129,470	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	32,839	75,353	96,961	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	44,093	77,460	97,380	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2112	Industrial Engineers	54,879	85,038	100,718	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	47,484	78,676	94,056	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2131	Materials Engineers	58,401	98,996	118,538	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	56,073	94,702	119,376	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	72,014	115,736	141,667	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	84,328	106,361	120,134	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	72,484	157,440	193,569	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	56,651	100,384	127,924	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	39,300	59,315	68,310	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	22,211	51,061	63,964	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	35,333	56,679	64,806	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	33,047	52,016	61,905	Yes	Yes	Yes	Associate's degree	No	No	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	39,891	67,263	86,758	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	31,184	51,288	66,914	Yes	Yes	Yes	Associate's degree	No	No	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	37,438	57,833	72,801	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	34,137	52,158	62,792	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	27,108	37,720	40,890	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	35,595	51,629	60,629	Yes	Yes	Yes	Associate's degree	Yes	No	No
17-3027	Mechanical Engineering Technologists and Technicians	23,823	44,730	55,080	No	No	No	Associate's degree	No	No	No
17-3031	Surveying and Mapping Technicians	28,115	58,663	75,268	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	30,787	57,560	73,791	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-1011	Animal Scientists	40,734	63,472	75,982	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	31,447	56,986	71,720	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	31,192	70,790	96,074	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1021	Biochemists and Biophysicists	46,810	62,144	64,386	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	33,762	49,802	59,558	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	33,628	44,787	49,242	Yes	No	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	39,402	74,301	92,074	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	31,573	63,721	79,039	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1032	Foresters	43,203	64,381	83,208	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1041	Epidemiologists	32,240	54,106	67,371	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	52,345	79,299	68,110	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1099	Life Scientists, All Other	49,394	102,187	128,158	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	83,927	143,205	162,602	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	83,927	143,205	162,602	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	57,995	96,976	113,982	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	40,480	67,437	82,257	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	48,659	101,100	131,469	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	33,583	50,234	54,236	Yes	Yes	No	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	52,390	94,984	119,897	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	70,094	92,920	110,756	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	46,514	114,786	134,369	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	47,359	79,898	97,012	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3022	Survey Researchers	112,303	133,865	154,628	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3031	Clinical, Counseling, and School Psychologists	38,066	79,699	79,685	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	28,909	70,809	93,361	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	77,919	101,730	116,261	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
19-3041	Sociologists	51,961	74,218	90,030	Yes	Yes	Yes	Master's degree	Yes	No	Yes
19-3051	Urban and Regional Planners	41,196	71,524	87,538	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	32,240	54,106	67,371	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	62,707	82,349	95,320	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	24,462	57,398	84,289	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists	61,375	97,603	112,513	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	59,962	80,707	86,563	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-4010	Agricultural and Food Science Technicians	29,836	40,591	47,450	Yes	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	27,243	42,490	54,878	No	No	No	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	29,361	50,399	58,864	Yes	Yes	Yes	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	27,985	44,774	57,367	No	No	Yes	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	27,387	50,842	63,938	No	Yes	Yes	Associate's degree	No	No	Yes
19-4051	Nuclear Technicians	68,997	94,340	106,929	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	33,377	48,510	55,126	Yes	Yes	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	30,773	46,297	56,222	Yes	No	Yes	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	32,617	49,924	60,381	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	19,448	48,660	60,557	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	34,460	69,764	84,535	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	28,834	58,145	74,705	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	33,329	49,322	57,845	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	32,567	44,356	50,321	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	18,983	39,243	47,297	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	27,376	45,210	49,232	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	28,245	36,405	39,250	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	27,869	45,147	51,352	No	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	37,612	56,219	64,902	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	28,585	48,252	58,260	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	36,019	51,938	66,128	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	30,056	56,138	74,934	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	30,749	39,070	43,938	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	23,575	36,387	43,003	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	31,362	39,966	45,551	Yes	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	23,244	37,762	42,088	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	22,337	46,381	57,658	No	No	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	28,373	44,368	52,780	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	19,103	42,783	57,366	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	52,075	122,206	159,815	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
23-1012	Judicial Law Clerks	27,861	52,096	58,496	No	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	85,599	141,922	181,489	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-1022	Arbitrators, Mediators, and Conciliators	28,902	55,443	59,035	Yes	Yes	Yes	Bachelor's degree	No	No	No
23-1023	Judges, Magistrate Judges, and Magistrates	143,097	183,959	167,814	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	32,862	50,964	61,141	Yes	Yes	Yes	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	34,206	50,819	59,162	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	27,897	71,991	114,807	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	49,831	118,089	144,307	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1021	Computer Science Teachers, Postsecondary	44,563	99,931	126,886	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	44,113	77,766	96,827	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	22,094	48,316	52,072	No	Yes	No	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	49,476	111,000	131,462	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	89,303	109,110	125,066	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1042	Biological Science Teachers, Postsecondary	43,566	74,386	85,546	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	67,635	110,847	130,372	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	46,778	93,223	115,491	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	52,425	77,764	87,641	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	22,953	73,709	86,523	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	50,736	92,243	113,014	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	55,311	76,833	84,414	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	42,527	78,774	95,682	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	71,055	106,375	122,660	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1064	Geography Teachers, Postsecondary	51,451	85,641	100,875	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	54,645	85,675	96,740	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1066	Psychology Teachers, Postsecondary	46,663	86,217	100,233	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	47,976	75,597	86,919	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	43,252	82,428	109,358	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	44,356	88,916	114,243	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	48,049	83,460	100,969	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1081	Education Teachers, Postsecondary	49,103	88,364	108,560	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	42,997	69,565	81,987	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	45,684	75,489	87,814	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	55,056	149,034	197,527	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	36,129	73,239	86,209	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	42,916	82,105	98,633	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	50,222	79,074	101,333	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	30,528	80,856	112,622	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	29,798	79,414	109,714	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	50,954	75,593	87,103	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	41,599	73,592	86,343	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	41,586	67,047	79,567	Yes	Yes	Yes	Master's degree	No	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	32,691	65,852	79,861	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	32,979	62,178	77,615	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	27,279	64,028	88,889	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,519	26,979	28,782	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	31,144	54,986	71,475	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	35,327	56,316	71,329	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	39,247	54,154	62,625	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	29,360	57,839	73,875	Yes	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	34,800	57,992	72,455	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	42,029	62,335	72,737	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2051	Special Education Teachers, Preschool	31,398	60,934	77,510	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	38,867	56,134	68,568	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	41,606	52,654	51,193	Yes	Yes	No	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	41,219	52,870	56,758	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2059	Special Education Teachers, All Other	21,511	28,919	29,978	No	No	No	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	33,749	46,994	53,921	Yes	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	21,792	39,306	51,402	No	No	No	Some college, no degree	No	No	Yes
25-3031	Substitute Teachers, Short-Term	18,671	28,110	30,076	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	18,921	35,615	45,675	No	No	No	Bachelor's degree	No	No	No
25-4011	Archivists	26,774	42,664	49,698	No	No	No	Master's degree	No	No	No
25-4012	Curators	26,833	57,306	73,064	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	27,616	41,584	48,735	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	23,429	53,964	68,356	No	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	27,657	36,497	40,157	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	18,460	32,510	39,379	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	41,818	61,957	68,557	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	19,330	37,388	47,417	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	18,892	27,116	30,777	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	22,429	56,771	76,824	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	43,293	80,490	102,852	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
27-1012	Craft Artists	17,967	32,113	38,559	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	41,695	53,467	61,151	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	43,666	70,695	82,318	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	29,762	83,956	102,638	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	47,695	82,457	105,135	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1022	Fashion Designers	42,766	78,308	88,310	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1023	Floral Designers	26,025	36,905	44,010	No	No	No	High school diploma or equivalent	Yes	No	No
27-1024	Graphic Designers	33,032	51,321	61,586	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	29,146	51,143	61,095	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	22,724	40,355	44,566	No	No	No	Some college, no degree	No	Yes	No
27-1027	Set and Exhibit Designers	33,099	55,574	64,458	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	29,984	62,468	73,726	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	20,509	46,155	50,149	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	37,519	81,349	105,789	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
27-2021	Athletes and Sports Competitors	19,370	24,832	24,778	No	No	No	Some college, no degree	No	No	No
27-2022	Coaches and Scouts	20,039	57,030	64,557	No	Yes	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	18,743	32,612	41,583	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	19,725	54,202	79,591	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	18,094	38,138	57,917	No	No	Yes	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	46,183	75,910	92,184	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-2042	Musicians and Singers	18,563	87,905	123,238	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	21,070	32,136	37,502	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	19,118	52,713	62,937	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	27,974	67,365	76,195	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	32,833	59,394	71,778	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	30,264	50,787	60,293	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	27,280	52,178	65,399	No	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	31,541	132,195	69,937	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
27-3091	Interpreters and Translators	28,109	58,329	72,161	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,995	50,109	82,349	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	33,785	55,047	62,283	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
27-4011	Audio and Video Technicians	27,571	54,574	74,396	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4012	Broadcast Technicians	24,171	48,274	63,984	No	Yes	Yes	Associate's degree	No	No	Yes
27-4014	Sound Engineering Technicians	24,904	64,709	88,181	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	18,799	35,845	39,656	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	29,629	43,176	52,359	Yes	No	No	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	33,487	46,793	51,439	Yes	No	No	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	51,798	90,176	112,513	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1011	Chiropractors	39,876	95,845	102,252	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	93,065	169,365	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	62,541	230,208	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1023	Orthodontists	87,737	177,238	203,767	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	78,637	210,497	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	162,356	226,875	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1031	Dietitians and Nutritionists	45,277	61,458	69,615	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041	Optometrists	66,128	100,800	122,199	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1051	Pharmacists	61,022	118,089	140,905	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1071	Physician Assistants	81,533	120,597	143,514	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	56,566	153,212	192,801	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1122	Occupational Therapists	46,879	87,679	105,643	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-1123	Physical Therapists	51,411	86,953	101,266	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	58,750	82,930	98,485	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	40,351	54,096	61,218	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	48,621	60,950	66,290	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	47,032	74,460	90,861	Yes	Yes	Yes	Master's degree	No	No	Yes
29-1128	Exercise Physiologists	34,430	50,163	55,834	Yes	Yes	No	Master's degree	No	No	No
29-1129	Therapists, All Other	42,024	49,337	51,815	Yes	Yes	No	Bachelor's degree	No	No	No
29-1131	Veterinarians	67,579	103,302	115,250	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	48,990	67,468	77,600	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	133,076	173,163	178,463	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	21,454	66,156	97,005	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	87,506	110,392	124,723	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	53,007	65,449	74,474	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	133,409	298,695	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	106,686	198,708	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	23,136	241,518	*	No	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	146,400	213,596	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	50,993	149,608	186,525	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	127,270	246,023	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	44,390	187,693	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	103,999	225,143	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1292	Dental Hygienists	51,157	69,609	78,806	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	26,510	49,464	67,957	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	28,204	51,741	64,306	No	Yes	Yes	Associate's degree	No	No	Yes
29-2031	Cardiovascular Technologists and Technicians	27,495	54,368	72,507	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2032	Diagnostic Medical Sonographers	54,470	69,929	78,637	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	60,636	76,371	83,909	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	36,582	57,602	67,523	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	54,506	68,702	78,229	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	22,514	35,785	40,481	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	20,881	29,611	34,686	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	25,945	34,127	38,307	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	21,832	30,944	35,069	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	35,515	48,026	53,835	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	25,791	33,073	37,719	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	23,980	39,898	48,456	No	No	No	Postsecondary nondegree award	No	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	36,077	46,315	50,978	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	29,323	52,890	64,770	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2091	Orthotists and Prosthetists	35,865	67,919	84,392	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	53,422	59,106	63,851	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	28,820	43,054	51,062	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	40,008	49,837	56,847	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	58,279	79,058	91,127	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	30,073	59,424	82,465	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	20,628	24,990	27,076	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,800	28,312	31,423	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	21,727	30,199	31,319	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	21,652	28,025	31,098	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	39,937	62,462	69,019	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	19,093	27,773	31,594	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	43,610	72,642	86,627	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	22,952	31,643	32,776	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	19,691	41,532	50,969	No	No	No	Postsecondary nondegree award	No	No	Yes
31-9091	Dental Assistants	33,503	41,946	47,128	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
31-9092	Medical Assistants	26,432	32,990	37,554	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	25,415	34,328	39,232	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	19,213	25,716	30,319	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	24,595	34,695	39,632	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	19,665	26,427	30,458	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	25,529	33,707	38,315	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	21,780	40,747	51,526	No	No	No	High school diploma or equivalent	No	No	Yes
33-1011	First-Line Supervisors of Correctional Officers	34,230	47,412	53,085	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	50,995	75,798	86,326	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	44,085	73,814	92,343	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	29,330	49,662	59,974	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	32,063	49,441	62,254	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	43,821	60,484	65,255	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	29,047	34,337	37,511	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	43,708	53,191	59,255	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	33,125	46,243	56,521	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	33,621	68,376	86,955	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	21,204	28,826	30,997	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	28,411	36,993	39,917	No	No	No	High school diploma or equivalent	Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	42,711	59,645	69,606	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	44,094	63,521	75,413	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	28,101	36,786	39,765	No	No	No	Postsecondary nondegree award	Yes	No	No

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33-9021	Private Detectives and Investigators	33,506	46,164	51,059	Yes	No	No	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	24,521	34,033	38,569	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	19,990	27,564	30,250	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	20,483	26,562	30,192	No	No	No	No formal educational credential	Yes	No	Yes
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	19,506	24,901	26,223	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	34,096	39,644	43,223	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	22,303	33,969	38,432	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	27,096	56,598	68,512	No	Yes	Yes	Associate's degree	No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	21,872	37,760	43,887	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,884	22,531	24,109	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	20,687	28,334	31,150	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2013	Cooks, Private Household	20,622	29,546	34,660	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	21,774	29,245	31,827	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	18,879	26,327	30,249	No	No	No	No formal educational credential	No	No	Yes
35-2019	Cooks, All Other	25,751	32,700	37,555	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	18,845	25,369	28,969	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,753	26,089	25,314	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,746	21,697	23,344	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,660	25,994	27,571	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	18,861	22,941	24,627	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,940	23,481	25,089	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	19,482	24,158	26,377	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,910	22,844	24,429	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	18,704	24,120	28,172	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	23,043	37,135	44,574	No	No	No	High school diploma or equivalent	No	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	30,973	50,196	60,489	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,320	26,951	31,116	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,660	24,778	26,376	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	22,526	28,327	31,110	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	28,010	37,496	40,516	No	No	No	High school diploma or equivalent	Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	21,169	29,024	32,160	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	22,008	33,116	40,058	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	24,430	33,663	38,401	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	33,380	38,525	40,076	Yes	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	35,757	54,900	64,765	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	28,091	49,286	60,540	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	21,177	32,523	37,809	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	20,468	28,956	30,917	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	18,055	24,579	27,734	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	19,299	26,989	30,477	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,730	33,955	35,071	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	18,682	29,311	32,123	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	19,195	25,574	28,293	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	19,913	24,859	25,385	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	25,110	65,012	82,418	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	19,416	27,872	32,919	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	19,440	25,494	29,101	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	33,210	55,762	56,820	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	21,649	36,561	56,202	No	No	No	High school diploma or equivalent	No	No	Yes
39-4031	Morticians, Undertakers, and Funeral Arrangers	43,755	57,841	72,529	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
39-5011	Barbers	21,464	31,163	37,080	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,470	30,562	35,407	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	35,669	69,232	79,881	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	19,923	29,862	29,350	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	18,868	25,794	29,762	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,954	37,095	52,065	No	No	No	Postsecondary nondegree award	No	No	Yes
39-6011	Baggage Porters and Bellhops	18,836	23,618	25,872	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	20,412	27,873	31,251	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	23,232	33,321	38,596	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	18,805	22,369	24,103	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	19,215	39,167	49,269	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	20,156	27,994	30,257	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	23,514	33,531	38,807	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	19,299	34,705	52,880	No	No	No	High school diploma or equivalent	No	No	Yes
41-1011	First-Line Supervisors of Retail Sales Workers	27,047	47,172	56,561	No	No	Yes	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	37,926	78,319	101,528	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,631	24,321	26,152	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,604	28,038	34,660	No	No	No	No formal educational credential	No	Yes	Yes
41-2021	Counter and Rental Clerks	19,981	30,625	36,080	No	No	No	No formal educational credential	No	Yes	Yes
41-2022	Parts Salespersons	21,190	34,363	39,886	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,506	28,893	30,966	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	23,631	53,025	54,167	No	Yes	No	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	32,165	57,121	62,054	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	35,551	68,744	70,379	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	19,170	34,297	40,187	No	No	No	Some college, no degree	No	No	No

Workforce Region 12 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	22,485	51,264	64,153	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	42,283	95,309	129,472	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	25,745	66,278	78,057	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	21,854	38,003	48,637	No	No	No	No formal educational credential	Yes	Yes	Yes
41-9012	Models	20,279	38,441	48,346	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	33,627	48,537	61,269	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	18,915	45,258	54,180	No	No	No	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	44,555	88,025	118,775	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	18,915	26,920	31,544	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	18,907	32,047	53,087	No	No	No	High school diploma or equivalent	No	No	Yes
41-9099	Sales and Related Workers, All Other	20,765	33,684	38,548	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	33,128	56,131	65,937	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	21,760	28,842	31,526	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	21,922	26,388	29,126	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	21,911	30,290	34,876	No	No	No	High school diploma or equivalent	No	No	No
43-3011	Bill and Account Collectors	27,901	39,152	41,279	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	25,439	37,228	41,651	No	No	No	High school diploma or equivalent	No	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	26,134	41,559	48,217	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	19,436	27,391	30,957	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	32,316	46,297	53,400	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	30,370	42,973	49,634	Yes	No	No	Associate's degree	No	No	No
43-3071	Tellers	26,861	36,212	40,349	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	28,379	45,397	55,559	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	37,681	58,434	71,551	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	23,100	40,753	48,847	No	No	No	High school diploma or equivalent	No	No	No
43-4031	Court, Municipal, and License Clerks	27,790	38,916	44,728	No	No	No	Some college, no degree	Yes	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	27,476	40,365	48,149	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	22,844	35,393	39,697	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	26,854	32,427	33,308	No	No	No	High school diploma or equivalent	Yes	No	No
43-4071	File Clerks	21,843	31,774	36,473	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	21,222	26,665	29,540	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	24,891	35,640	40,517	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	20,969	28,472	31,630	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	25,730	42,332	50,330	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-4141	New Accounts Clerks	28,594	42,662	49,248	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4151	Order Clerks	20,673	32,624	37,637	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	26,825	38,087	45,518	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	21,114	30,260	34,333	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	24,846	43,270	66,333	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
43-4199	Information and Record Clerks, All Other	29,565	41,570	47,992	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5011	Cargo and Freight Agents	27,063	45,388	53,876	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	20,946	29,515	33,783	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	29,193	40,798	45,734	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	23,512	36,075	43,415	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	26,949	39,926	45,530	No	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,762	52,135	62,995	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,062	53,277	65,034	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	34,436	50,717	62,716	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	27,559	46,850	55,822	No	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	25,518	35,617	40,656	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	26,144	34,331	39,047	No	No	No	High school diploma or equivalent	Yes	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	34,699	53,425	62,879	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	29,331	48,053	59,380	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	25,698	33,084	37,180	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	23,225	36,207	41,609	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	23,633	31,142	35,882	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	20,306	29,431	33,228	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	27,507	46,209	56,399	No	No	Yes	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	33,025	45,819	52,139	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	26,568	35,883	39,067	No	No	No	High school diploma or equivalent	Yes	No	No
43-9061	Office Clerks, General	21,136	35,877	41,504	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	24,653	35,378	39,484	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	25,819	46,497	60,113	No	No	Yes	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	34,890	47,339	51,703	Yes	No	No	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	23,791	37,060	42,780	No	No	No	Some college, no degree	No	No	No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	42,002	47,071	50,725	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	28,234	39,734	50,450	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	21,425	38,961	44,790	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	25,118	33,210	37,285	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	22,708	32,867	37,570	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	19,147	24,169	24,967	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	20,553	31,584	40,479	No	No	No	No formal educational credential	Yes	Yes	Yes

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May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
45-2099	Agricultural Workers, All Other	19,260	28,410	28,704	No	No	No	No formal educational credential	No	Yes	No
45-3031	Fishing and Hunting Workers	20,553	31,584	40,479	No	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	35,503	40,538	44,045	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	26,862	36,796	40,352	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	18,408	35,512	45,221	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	22,620	32,652	38,020	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	19,328	46,426	58,475	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	37,739	60,922	74,082	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	34,356	50,844	59,661	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	27,473	38,824	47,695	No	No	No	High school diploma or equivalent	Yes	No	No
47-2022	Stonemasons	33,711	39,074	41,218	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	30,111	43,802	50,009	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	18,339	31,946	41,214	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	20,240	24,089	24,523	No	No	No	No formal educational credential	Yes	No	No
47-2043	Floor Sanders and Finishers	25,628	35,071	40,058	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	23,718	35,717	39,086	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	28,058	39,605	46,194	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	33,328	43,879	49,345	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	23,311	34,490	39,113	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	31,077	43,688	44,202	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2072	Pile Driver Operators	33,076	39,466	39,794	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2073	Operating Engineers and Other Construction Equipment Operators	28,671	41,810	47,837	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	21,005	35,903	44,592	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	18,525	40,283	49,365	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	30,699	46,272	51,979	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	26,707	43,501	55,319	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	32,994	42,116	53,128	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2132	Insulation Workers, Mechanical	31,666	38,093	41,130	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	25,237	35,447	39,380	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	32,348	46,906	60,043	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	29,193	42,528	48,774	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	32,162	44,047	50,038	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	27,213	36,863	42,932	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	32,019	51,037	60,706	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	27,486	42,171	50,916	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	26,688	40,865	48,783	No	No	No	High school diploma or equivalent	Yes	No	No
47-2221	Structural Iron and Steel Workers	18,658	45,368	58,281	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-2231	Solar Photovoltaic Installers	24,991	35,375	39,568	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	24,783	33,120	37,714	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	26,951	34,906	39,247	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	22,098	28,749	31,626	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	20,680	25,746	29,095	No	No	No	No formal educational credential	Yes	No	No
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	24,047	31,782	36,317	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	24,197	33,504	38,353	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	28,855	39,621	46,751	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	40,242	65,732	80,325	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	59,934	90,516	103,380	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	28,989	44,738	52,731	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	27,421	41,925	51,371	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4051	Highway Maintenance Workers	23,192	37,288	45,075	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	33,553	47,170	54,086	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	27,269	42,590	55,429	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4090	Miscellaneous Construction and Related Workers	28,015	39,848	47,198	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	23,218	33,602	39,294	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	33,671	44,349	50,197	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	24,432	53,107	68,644	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	26,657	42,490	42,179	No	No	No	High school diploma or equivalent	Yes	Yes	No
47-5041	Continuous Mining Machine Operators	35,561	56,594	67,517	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	35,561	56,594	67,517	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	30,046	36,737	38,990	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	33,671	44,349	50,197	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	23,218	33,602	39,294	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	27,705	39,759	46,029	No	No	No	High school diploma or equivalent	Yes	No	No
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	34,944	55,634	71,348	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	40,845	67,308	80,471	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	27,767	38,918	42,795	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	34,962	62,007	78,309	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	39,032	56,362	71,069	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	29,776	62,862	92,182	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	27,043	37,483	44,764	No	No	No	High school diploma or equivalent	Yes	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	33,132	53,959	67,968	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	31,571	48,180	56,644	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	37,343	64,773	85,694	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	18,216	27,637	34,256	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	23,898	53,957	65,213	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	25,170	39,483	49,505	No	No	No	Postsecondary nondegree award	No	No	No
49-3011	Aircraft Mechanics and Service Technicians	36,161	74,067	96,309	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	26,258	45,110	50,542	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	22,374	38,659	46,049	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	21,867	41,145	49,344	No	No	No	Postsecondary nondegree award	No	No	No
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	35,512	51,067	59,488	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	28,003	38,857	44,218	No	No	No	High school diploma or equivalent	Yes	No	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	34,399	47,542	53,967	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	35,836	54,958	62,335	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	27,638	41,070	50,910	No	No	No	Postsecondary nondegree award	Yes	No	Yes
49-3052	Motorcycle Mechanics	21,591	34,890	41,833	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	20,804	36,215	41,421	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	21,895	29,478	33,533	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	39,010	65,169	81,955	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	20,970	27,474	30,710	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	22,557	29,257	31,314	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	32,965	68,317	90,459	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	31,296	45,764	52,422	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	29,982	41,985	49,536	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9041	Industrial Machinery Mechanics	31,408	50,451	61,039	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	26,327	36,040	40,321	No	No	No	High school diploma or equivalent	Yes	No	No
49-9044	Millwrights	31,506	49,159	60,621	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	23,463	33,259	37,726	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	33,061	63,170	82,839	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	31,427	42,583	48,147	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9061	Camera and Photographic Equipment Repairers	19,054	40,695	53,871	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	36,718	54,027	63,499	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9063	Musical Instrument Repairers and Tuners	23,267	34,601	39,441	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	21,494	42,918	53,303	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	37,599	55,732	63,873	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	24,546	37,530	41,808	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	44,123	72,249	87,777	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18,708	35,013	47,301	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	28,496	39,526	44,047	No	No	No	Postsecondary nondegree award	Yes	No	No
49-9094	Locksmiths and Safe Repairers	29,547	47,040	52,813	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9095	Manufactured Building and Mobile Home Installers	20,925	28,802	31,476	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	30,051	53,273	66,978	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	38,902	64,970	78,215	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	22,636	30,441	33,628	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	23,635	44,163	54,400	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-1011	First-Line Supervisors of Production and Operating Workers	35,936	59,970	68,895	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	18,878	40,479	52,304	No	No	No	Postsecondary nondegree award	No	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	18,388	35,120	49,002	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	21,389	30,250	36,024	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	25,089	29,723	31,182	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	25,852	35,526	40,684	No	No	No	High school diploma or equivalent	Yes	No	No
51-2051	Fiberglass Laminators and Fabricators	27,261	36,748	41,584	No	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters	26,872	34,552	39,833	No	No	No	High school diploma or equivalent	Yes	No	No
51-2090	Miscellaneous Assemblers and Fabricators	19,979	31,828	37,319	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	21,961	30,678	36,002	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	22,841	35,533	43,366	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	28,080	34,408	38,488	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	21,964	28,047	30,790	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	25,118	33,210	37,285	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	20,507	26,882	29,532	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	19,084	27,538	31,976	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,769	26,813	30,075	No	No	No	No formal educational credential	Yes	No	Yes
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	25,295	34,915	39,646	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	25,931	35,022	38,755	No	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	27,768	35,560	39,552	No	No	No	High school diploma or equivalent	Yes	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	24,822	35,753	41,155	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	32,848	54,028	65,970	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	25,280	33,571	38,131	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,405	28,222	30,915	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	33,142	43,653	49,541	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No

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51-4041	Machinists	26,750	44,018	53,541	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	30,095	41,596	48,375	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	25,735	40,626	48,698	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	32,848	54,028	65,970	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	29,321	52,264	61,708	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	21,062	36,992	46,945	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	21,386	29,005	30,997	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24,983	34,238	39,302	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	42,022	53,237	60,828	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	30,164	42,448	49,061	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	21,833	33,080	42,773	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	21,974	34,200	39,333	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	24,593	30,481	34,443	No	No	No	High school diploma or equivalent	No	No	No
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	27,755	44,626	51,921	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4194	Tool Grinders, Filers, and Sharpeners	25,794	35,277	39,088	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	26,215	32,006	36,578	No	No	No	High school diploma or equivalent	Yes	No	No
51-5111	Prepress Technicians and Workers	21,364	36,879	41,428	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	19,329	33,828	40,517	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	22,293	31,535	36,106	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	19,984	25,248	28,387	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	19,879	24,893	27,493	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	22,784	32,430	37,949	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	19,407	30,369	36,551	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,682	29,252	35,297	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,769	27,959	33,308	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	21,223	27,093	30,929	No	No	No	No formal educational credential	Yes	No	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	25,275	30,477	34,660	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	18,902	24,751	29,085	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18,682	25,912	29,507	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,651	44,329	69,007	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	37,344	67,517	80,439	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	18,447	29,007	30,859	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	26,062	37,707	44,724	No	No	No	High school diploma or equivalent	Yes	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	20,566	24,752	25,088	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	28,426	41,000	48,524	No	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Furniture Finishers	19,505	36,169	44,829	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood	29,321	52,264	61,708	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood	32,848	54,028	65,970	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	22,803	31,961	35,731	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	23,345	34,311	39,993	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	22,375	40,009	55,693	No	No	No	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	68,997	94,340	106,929	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	29,308	74,560	99,432	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	45,069	71,121	88,101	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	37,245	66,923	82,479	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	30,854	51,678	62,690	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	31,221	50,912	61,973	Yes	Yes	Yes	Associate's degree	No	No	Yes
51-8092	Gas Plant Operators	32,426	46,984	56,438	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	29,781	50,256	58,495	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	35,411	56,358	62,689	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	21,333	30,628	36,478	No	No	No	High school diploma or equivalent	No	No	No
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	26,654	34,392	40,801	No	No	No	High school diploma or equivalent	Yes	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	28,627	42,112	49,071	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9022	Grinding and Polishing Workers, Hand	21,573	31,587	37,196	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	25,381	35,166	39,116	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	19,899	40,714	58,443	No	No	Yes	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	27,128	33,710	37,782	No	No	No	High school diploma or equivalent	Yes	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	25,526	34,599	39,050	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	22,552	32,289	37,168	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	25,120	43,155	51,688	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	26,247	52,080	65,125	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9081	Dental Laboratory Technicians	25,644	43,443	51,607	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	36,577	78,797	101,023	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	26,185	36,730	43,933	No	No	No	High school diploma or equivalent	Yes	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	21,802	32,682	38,391	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	20,259	36,972	46,429	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	25,677	40,070	45,680	No	No	No	High school diploma or equivalent	No	No	No
51-9141	Semiconductor Processing Technicians	27,812	40,969	48,032	No	No	No	High school diploma or equivalent	Yes	No	No

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51-9151	Photographic Process Workers and Processing Machine Operators	34,656	45,307	50,059	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9161	Computer Numerically Controlled Tool Operators	25,030	36,670	40,414	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	36,449	54,175	64,922	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	21,141	33,984	41,184	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	18,707	28,601	35,628	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	21,268	36,394	44,966	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	18,310	26,176	32,534	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	25,622	32,835	37,218	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	23,762	34,598	39,554	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	25,696	36,972	44,888	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	19,540	27,777	31,151	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	20,437	29,780	32,962	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	35,866	58,782	75,783	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	32,990	55,756	66,161	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	96,182	225,055	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	38,134	98,423	126,662	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	68,095	120,154	148,907	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	29,056	43,998	53,331	Yes	No	No	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	32,455	63,859	77,236	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	21,153	26,293	28,811	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,598	30,338	34,240	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	28,102	45,972	54,428	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	21,646	39,501	48,216	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	26,525	31,819	34,382	No	No	No	High school diploma or equivalent	Yes	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	18,674	24,243	28,418	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	19,899	25,797	28,467	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	52,460	65,872	72,563	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	52,940	66,518	75,717	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	34,053	55,634	66,508	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	52,940	66,518	75,717	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	21,934	41,331	58,250	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	28,380	54,224	70,780	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	23,355	40,313	47,768	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	59,060	116,918	195,641	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	19,573	43,026	54,811	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	32,230	71,897	88,071	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	25,167	39,127	48,042	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	19,062	23,144	25,733	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	20,458	26,372	29,637	No	No	No	No formal educational credential	Yes	No	No
53-6041	Traffic Technicians	30,149	42,837	49,402	Yes	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	46,232	96,736	118,600	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	18,733	23,143	24,880	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	21,951	32,454	37,592	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	26,863	35,346	41,956	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	43,489	65,823	77,270	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	33,445	47,200	54,802	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	26,431	40,714	42,791	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	26,661	37,545	42,144	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	19,336	27,252	31,056	No	No	No	No formal educational credential	No	No	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,161	31,428	35,553	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	19,983	30,904	37,724	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,491	24,549	25,180	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	21,198	29,549	33,891	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	34,415	63,883	76,805	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	30,122	47,691	56,040	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7073	Wellhead Pumpers	24,570	38,980	47,895	No	No	No	High school diploma or equivalent	No	No	No
53-7081	Refuse and Recyclable Material Collectors	31,651	41,134	47,334	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,603	33,279	39,921	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	26,387	33,646	31,836	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 13 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
11-1011	Chief Executives	69,670	157,369	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	43,817	110,980	144,668	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	18,522	62,793	134,060	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-2011	Advertising and Promotions Managers	46,705	106,509	123,688	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2021	Marketing Managers	80,063	149,304	186,662	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	42,285	112,830	152,359	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2030	Public Relations and Fundraising Managers	44,179	91,746	109,155	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3010	Administrative Services and Facilities Managers	48,398	101,504	122,086	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3021	Computer and Information Systems Managers	87,877	146,282	174,440	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	52,410	115,348	141,633	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	62,253	117,202	141,499	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	72,186	125,196	145,230	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	47,468	102,931	127,312	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3111	Compensation and Benefits Managers	63,451	102,563	121,532	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	70,871	134,591	163,706	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	64,816	106,350	137,551	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	35,570	76,472	81,073	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9021	Construction Managers	54,463	95,736	105,213	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	31,662	54,548	61,730	No	Yes	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	45,933	82,953	100,172	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9033	Education Administrators, Postsecondary	45,416	94,267	111,696	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9039	Education Administrators, All Other	50,025	82,487	106,740	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9041	Architectural and Engineering Managers	109,182	151,491	171,360	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	28,662	55,813	69,844	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	44,338	84,710	93,160	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	37,828	84,383	99,679	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	44,721	110,442	128,280	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-9121	Natural Sciences Managers	52,340	106,359	133,864	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	87,362	96,943	98,348	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	23,242	59,672	76,819	No	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	40,616	74,389	86,939	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9161	Emergency Management Directors	46,561	79,706	96,519	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9171	Funeral Home Managers	40,546	78,849	96,481	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	52,419	120,177	146,597	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	32,837	82,343	99,021	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1020	Buyers and Purchasing Agents	34,889	67,928	86,125	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	32,802	57,943	75,178	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	47,196	66,146	77,560	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	39,984	75,787	95,251	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	32,690	59,686	73,401	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	33,399	66,529	82,387	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	18,107	28,951	19,483	No	No	No	Bachelor's degree	No	No	No
13-1081	Logisticians	53,295	81,126	95,684	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1111	Management Analysts	54,336	86,401	103,273	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
13-1121	Meeting, Convention, and Event Planners	27,256	43,247	53,047	No	No	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	31,958	54,058	72,655	No	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	32,933	56,125	69,681	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	34,249	63,195	76,824	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	28,944	64,275	78,995	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	25,996	76,316	99,825	No	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	37,149	74,738	88,369	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	25,119	53,413	66,617	No	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	46,749	79,116	97,817	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2041	Credit Analysts	48,606	62,505	73,515	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2052	Personal Financial Advisors	29,863	98,983	121,657	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	33,261	67,483	85,750	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	50,507	81,839	105,363	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
13-2071	Credit Counselors	32,695	46,773	50,527	Yes	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	29,151	73,200	87,492	No	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	26,300	35,632	34,811	No	No	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	28,605	67,844	80,955	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	43,536	79,507	101,029	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	54,502	91,197	111,013	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	65,233	108,528	137,211	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	70,323	115,459	134,880	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	36,498	54,393	64,148	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
15-1232	Computer User Support Specialists	29,949	50,075	60,413	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	72,168	105,484	124,359	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	52,372	82,074	99,144	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1245	Database Administrators and Architects	49,727	100,630	124,556	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	44,454	71,062	85,761	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	68,130	110,756	131,077	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	33,935	53,539	62,787	Yes	Yes	Yes	Associate's degree	No	No	No

Workforce Region 13 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
15-1299	Computer Occupations, All Other	43,395	83,897	104,087	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2011	Actuaries	47,581	112,379	138,586	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2021	Mathematicians	67,782	101,610	114,911	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	45,017	76,951	92,597	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2041	Statisticians	28,400	69,562	91,717	No	Yes	Yes	Master's degree	No	No	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	51,900	89,729	103,804	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-1011	Architects, Except Landscape and Naval	54,500	92,175	110,095	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	41,306	69,562	87,559	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1021	Cartographers and Photogrammetrists	42,297	65,318	77,589	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1022	Surveyors	33,547	56,917	58,912	Yes	Yes	No	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	71,348	121,590	140,652	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	42,086	77,637	95,999	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2031	Bioengineers and Biomedical Engineers	59,996	87,704	105,296	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	48,158	94,017	118,885	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2051	Civil Engineers	57,673	93,772	112,267	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	74,029	112,132	131,423	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	62,976	106,067	126,080	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	70,092	103,976	119,408	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	54,643	88,653	101,556	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	84,583	113,322	124,790	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	58,416	87,998	103,413	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-2121	Marine Engineers and Naval Architects	46,648	77,290	92,400	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2131	Materials Engineers	55,877	107,038	131,759	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	65,560	100,181	120,966	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	70,746	113,698	139,173	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	82,843	104,488	118,019	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	71,208	154,667	190,161	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	67,518	115,002	141,089	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	38,001	54,976	65,260	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
17-3012	Electrical and Electronics Drafters	27,007	52,187	64,538	No	No	Yes	Associate's degree	No	No	No
17-3013	Mechanical Drafters	34,569	61,898	77,833	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3019	Drafters, All Other	32,289	53,115	61,238	Yes	Yes	No	Associate's degree	No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	41,383	66,984	91,483	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	29,748	50,064	62,296	No	No	Yes	Associate's degree	No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	21,847	57,792	79,085	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	31,942	51,142	59,351	No	No	No	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	26,129	42,086	50,382	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	40,706	53,628	61,393	Yes	Yes	No	Associate's degree	Yes	No	No
17-3027	Mechanical Engineering Technologists and Technicians	32,315	48,916	58,527	Yes	No	No	Associate's degree	No	No	No
17-3031	Surveying and Mapping Technicians	30,212	46,364	56,389	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	35,606	62,951	77,327	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	40,017	62,354	74,644	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	30,893	55,983	70,457	No	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	30,643	69,543	94,383	No	Yes	Yes	Bachelor's degree	No	No	No
19-1021	Biochemists and Biophysicists	42,442	76,886	87,559	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	34,849	60,448	73,797	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	31,211	51,103	57,513	No	No	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	50,451	79,050	92,687	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1031	Conservation Scientists	32,558	66,954	83,681	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1032	Foresters	44,694	73,027	93,401	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1041	Epidemiologists	31,673	53,153	66,184	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	55,491	77,297	80,168	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1099	Life Scientists, All Other	48,524	100,388	125,901	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-2011	Astronomers	82,449	140,684	159,739	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
19-2012	Physicists	64,453	119,087	141,096	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-2021	Atmospheric and Space Scientists	64,440	97,363	113,280	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	64,448	92,356	108,903	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2032	Materials Scientists	47,802	99,320	129,154	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	33,587	62,406	79,599	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	62,864	108,379	130,249	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	45,146	92,150	108,289	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-2099	Physical Scientists, All Other	79,829	113,346	130,244	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	50,901	90,831	102,447	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	28,400	69,562	91,717	No	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	32,090	62,813	75,659	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	28,400	69,562	91,717	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	44,376	94,257	111,215	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	51,046	72,911	88,445	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	44,419	65,015	78,422	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	31,673	53,153	66,184	No	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	61,603	80,899	93,642	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	24,031	56,387	82,805	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists	60,294	95,884	110,532	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	52,614	79,898	94,392	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-4010	Agricultural and Food Science Technicians	18,565	35,108	42,519	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	28,976	46,703	54,003	No	No	No	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	29,733	41,616	48,327	No	No	No	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	33,912	43,775	51,277	Yes	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	25,330	44,809	54,260	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	67,782	92,679	105,046	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	25,946	51,767	60,025	No	No	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	30,046	45,242	54,097	No	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	31,220	41,913	48,060	No	No	No	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	27,159	61,443	92,685	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	39,133	81,052	102,905	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	32,686	59,486	74,044	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	31,132	42,804	49,618	No	No	No	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	28,834	40,864	48,082	No	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	21,404	33,963	39,333	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	24,432	41,413	48,069	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	28,039	38,200	42,447	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	24,593	39,734	47,255	No	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	30,184	55,371	69,903	No	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	27,064	43,465	50,557	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	40,020	52,832	63,200	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	29,093	56,560	71,583	No	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	32,625	39,229	42,299	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	25,976	40,261	46,818	No	No	No	Some college, no degree	Yes	Yes	Yes
21-1094	Community Health Workers	27,445	45,722	45,755	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	32,021	40,412	45,575	Yes	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	32,014	44,012	51,950	No	No	No	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	27,971	41,832	48,989	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	18,892	41,864	55,502	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	48,792	111,897	136,499	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	29,180	49,419	55,906	No	No	No	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	37,389	98,713	120,887	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	24,580	68,600	97,039	No	Yes	Yes	Bachelor's degree	No	No	No
23-1023	Judges, Magistrate Judges, and Magistrates	140,578	180,719	164,859	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	29,850	46,658	59,110	No	No	No	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	33,332	54,773	68,531	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	29,702	73,102	118,590	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	57,263	105,065	123,563	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	44,934	95,124	119,059	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	41,075	80,062	105,662	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	25,523	87,280	108,915	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	52,124	106,538	130,501	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	53,355	100,638	122,494	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	40,748	86,683	106,143	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	66,444	108,896	128,076	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	45,955	91,582	113,457	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	50,391	84,749	100,099	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	22,549	72,411	84,999	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	46,994	91,178	115,209	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	56,050	89,590	101,235	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	41,778	77,387	93,998	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	57,263	105,065	123,563	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	50,545	84,133	99,098	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	50,998	90,658	102,140	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	40,421	78,532	93,699	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	41,422	78,195	95,345	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	42,490	80,976	107,433	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	55,309	112,264	119,771	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	55,309	112,264	119,771	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	40,854	65,867	78,166	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	42,240	68,340	80,543	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	38,255	86,144	93,796	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	54,087	146,410	194,049	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1113	Social Work Teachers, Postsecondary	35,493	71,949	84,691	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	32,154	95,364	109,078	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	40,036	69,784	82,458	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	30,085	73,883	102,342	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	45,550	82,776	106,682	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	28,064	80,158	92,179	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	43,452	90,119	105,970	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	32,115	64,693	78,455	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	30,537	53,866	63,846	No	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	41,739	56,731	66,442	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,963	29,157	31,831	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	32,817	41,191	47,042	Yes	No	No	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	34,342	44,273	49,650	Yes	No	No	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	34,375	44,610	49,865	Yes	No	No	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	28,843	56,820	72,575	No	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	35,300	46,360	51,053	Yes	No	No	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	41,999	62,777	71,429	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2051	Special Education Teachers, Preschool	30,845	59,861	76,145	No	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	32,052	43,324	48,979	Yes	No	No	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	39,478	57,388	67,358	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	41,710	50,856	57,530	Yes	No	No	Bachelor's degree	No	No	No
25-2059	Special Education Teachers, All Other	33,873	44,403	51,313	Yes	No	No	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	30,556	45,319	55,954	No	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	21,872	35,370	44,639	No	No	No	Some college, no degree	No	No	No
25-3031	Substitute Teachers, Short-Term	18,867	25,756	29,968	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	31,775	43,810	49,722	No	No	No	Bachelor's degree	No	No	No
25-4011	Archivists	26,302	41,913	48,823	No	No	No	Master's degree	No	No	No
25-4012	Curators	27,852	53,124	60,468	No	Yes	No	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	22,010	39,709	47,841	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	37,619	50,440	54,945	Yes	No	No	Master's degree	No	No	No
25-4031	Library Technicians	19,252	38,561	48,215	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	18,343	36,831	46,657	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	43,946	75,085	93,423	Yes	Yes	Yes	Master's degree	No	No	Yes
25-9044	Teaching Assistants, Postsecondary	18,420	36,696	47,350	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	24,210	29,457	31,427	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	22,578	48,255	61,574	No	No	No	Bachelor's degree	No	No	No
27-1011	Art Directors	35,705	68,862	80,837	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1012	Craft Artists	17,650	31,547	37,880	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,497	45,637	61,103	No	No	No	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	54,629	83,864	98,636	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	29,238	82,478	100,831	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	35,495	52,006	60,950	Yes	No	No	Bachelor's degree	No	No	No
27-1022	Fashion Designers	31,172	60,217	69,639	No	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	21,545	29,829	33,982	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	23,054	41,015	46,067	No	No	No	Bachelor's degree	No	No	No
27-1025	Interior Designers	30,088	52,185	68,452	No	No	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	21,420	30,100	31,932	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	21,760	47,360	58,812	No	No	No	Bachelor's degree	No	No	No
27-1029	Designers, All Other	30,893	56,503	64,808	No	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	20,618	42,578	47,362	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	33,558	58,500	72,500	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	18,259	28,964	20,221	No	No	No	Some college, no degree	No	No	No
27-2022	Coaches and Scouts	22,692	53,801	63,237	No	Yes	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	18,035	37,851	45,175	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	19,377	53,248	78,190	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	17,776	37,466	56,897	No	No	No	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	18,132	63,586	73,951	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,236	86,357	121,068	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,237	25,051	29,151	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	19,161	57,321	70,438	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	27,717	61,007	70,765	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	33,254	54,583	67,181	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	36,000	77,915	109,417	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
27-3042	Technical Writers	44,463	67,293	78,567	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	36,179	65,455	74,988	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	22,443	52,586	67,272	No	No	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,661	49,227	80,899	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	26,752	42,961	53,354	No	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	26,727	35,809	38,077	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	18,263	25,498	20,223	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	22,722	54,385	62,469	No	Yes	Yes	Associate's degree	No	Yes	No
27-4021	Photographers	26,406	37,421	39,033	No	No	No	Some college, no degree	Yes	No	No
27-4031	Camera Operators, Television, Video, and Film	27,980	46,993	60,439	No	No	No	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	38,911	55,185	70,612	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	23,800	78,205	101,533	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	43,861	69,039	79,360	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	88,103	210,872	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	61,440	226,154	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	86,193	174,117	200,179	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	77,252	206,791	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	55,117	168,718	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	42,717	60,232	70,388	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	47,648	94,460	118,198	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	107,652	127,454	144,641	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1071	Physician Assistants	88,081	112,855	128,612	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	90,242	176,991	175,138	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1122	Occupational Therapists	47,118	78,869	97,426	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	38,746	81,862	99,200	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	55,550	81,650	94,739	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	27,178	49,188	58,649	No	No	No	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	45,445	59,655	66,487	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	35,429	56,404	64,658	Yes	Yes	Yes	Master's degree	No	No	No
29-1128	Exercise Physiologists	34,194	52,114	63,990	Yes	No	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	30,566	49,583	58,033	No	No	No	Bachelor's degree	No	No	No
29-1131	Veterinarians	76,486	120,877	143,152	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	52,291	67,599	77,361	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	130,732	170,114	175,320	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	21,077	64,991	95,297	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	56,264	91,093	106,129	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	42,557	70,987	80,158	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	131,060	261,234	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	92,040	240,256	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	49,063	201,806	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	120,031	236,337	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	92,471	134,290	159,035	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
29-1223	Psychiatrists	111,066	251,230	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	76,017	223,247	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	50,054	235,624	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	56,835	69,601	77,442	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	20,855	64,808	78,128	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	27,485	48,803	62,096	No	No	Yes	Associate's degree	No	No	No
29-2031	Cardiovascular Technologists and Technicians	26,955	46,356	63,738	No	No	Yes	Associate's degree	No	No	No
29-2032	Diagnostic Medical Sonographers	54,874	70,327	79,719	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	49,531	72,400	83,094	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	39,293	56,958	64,932	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
29-2035	Magnetic Resonance Imaging Technologists	53,457	67,666	77,530	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	21,635	34,598	39,333	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	19,931	28,757	31,124	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	26,822	38,600	45,240	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	21,853	30,017	35,032	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	30,937	43,315	50,190	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	21,148	31,191	36,638	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	26,944	37,052	40,721	No	No	No	Postsecondary nondegree award	No	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	30,274	43,056	49,364	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	23,149	46,637	59,380	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	35,744	73,585	86,914	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	28,006	60,968	70,428	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	27,512	42,002	49,962	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	32,048	47,013	53,384	Yes	No	No	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	57,253	77,666	89,522	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	28,411	53,434	70,907	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	18,796	24,377	27,552	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	22,342	29,072	31,764	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	21,435	26,358	29,502	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	24,609	28,891	30,797	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	51,013	69,353	78,913	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	18,757	27,284	31,037	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	42,984	60,715	70,781	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	22,766	31,572	32,143	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	28,565	44,784	55,618	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9091	Dental Assistants	33,318	40,268	45,710	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
31-9092	Medical Assistants	25,666	32,211	36,768	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	26,662	33,369	38,041	No	No	No	High school diploma or equivalent	Yes	No	No
31-9094	Medical Transcriptionists	30,833	36,772	39,142	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9095	Pharmacy Aides	20,720	31,365	37,476	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	20,680	28,652	33,246	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	26,706	33,854	38,120	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	24,627	35,293	39,147	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	29,967	52,953	67,754	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	57,125	77,968	85,720	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	47,397	71,597	85,161	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	32,725	58,104	68,022	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	29,074	50,738	62,383	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	38,727	51,734	58,116	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	28,535	33,732	36,850	No	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	31,644	44,983	52,114	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	33,215	45,113	51,412	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	36,043	76,305	122,469	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	20,413	27,390	29,584	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	20,801	27,376	30,830	No	No	No	High school diploma or equivalent	No	No	No
33-3051	Police and Sheriff's Patrol Officers	41,131	50,047	54,987	Yes	No	No	Associate's degree	Yes	No	No
33-3052	Transit and Railroad Police	43,318	62,402	74,086	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	26,110	37,312	42,182	No	No	No	Postsecondary nondegree award	No	No	No

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33-9021	Private Detectives and Investigators	32,106	47,485	57,869	Yes	No	No	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	24,089	33,434	37,890	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	22,956	45,042	59,787	No	No	No	High school diploma or equivalent	No	Yes	Yes
33-9091	Crossing Guards and Flaggers	20,018	27,063	30,190	No	No	No	No formal educational credential	No	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	20,952	24,076	25,188	No	No	No	No formal educational credential	Yes	No	No
33-9093	Transportation Security Screeners	36,050	42,138	45,937	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	19,941	33,626	38,660	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	27,213	41,548	50,880	No	No	No	Associate's degree	No	No	No
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	22,854	38,832	46,704	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,273	21,081	22,979	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	21,445	29,437	31,357	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2013	Cooks, Private Household	20,259	29,026	34,050	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	21,465	27,865	31,166	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	19,228	25,200	28,801	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	20,855	29,401	34,579	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	18,991	24,018	26,570	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,575	24,333	25,810	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,674	22,587	23,734	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,602	27,617	34,934	No	No	No	No formal educational credential	No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	19,039	22,371	24,110	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,978	28,219	30,847	No	No	No	No formal educational credential	No	Yes	Yes
35-9021	Dishwashers	18,716	22,237	24,178	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,432	20,519	20,778	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	18,209	26,466	29,584	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	27,030	38,141	44,101	No	No	No	High school diploma or equivalent	Yes	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	33,530	51,535	60,576	Yes	No	No	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	20,032	28,018	31,760	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,822	25,723	29,295	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	20,769	35,128	50,757	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	21,800	34,280	42,107	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	19,373	28,020	32,851	No	No	No	No formal educational credential	No	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	30,097	37,315	40,812	No	No	No	High school diploma or equivalent	Yes	No	No
37-3013	Tree Trimmers and Pruners	21,394	34,762	43,751	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	25,196	34,492	38,150	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	35,128	53,933	63,624	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	22,513	44,406	57,562	No	No	No	Some college, no degree	No	Yes	Yes
39-2011	Animal Trainers	21,405	35,322	39,988	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	18,919	25,055	26,942	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	17,737	24,147	27,246	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,959	26,514	29,940	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,383	33,357	34,454	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	18,353	28,795	31,557	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	18,343	24,522	27,226	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,516	21,029	22,800	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	25,205	54,183	70,602	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	18,728	26,620	30,344	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,237	25,051	29,151	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	32,625	54,780	55,819	Yes	Yes	No	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	20,499	28,843	30,479	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	37,039	48,666	52,645	Yes	No	No	Associate's degree	Yes	No	No
39-5011	Barbers	21,086	30,614	36,427	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,189	37,514	43,678	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	35,041	68,013	78,474	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	19,517	26,023	28,660	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	18,536	25,340	29,238	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,879	35,324	41,679	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	18,122	24,031	27,419	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	22,597	28,182	30,768	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	26,484	30,329	31,852	No	No	No	High school diploma or equivalent	Yes	No	No
39-9011	Childcare Workers	19,797	25,807	28,094	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	19,472	39,005	48,462	No	No	No	Postsecondary nondegree award	No	No	Yes
39-9032	Recreation Workers	19,937	31,130	37,240	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	28,435	39,680	46,817	No	No	No	Some college, no degree	Yes	Yes	Yes
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	18,561	21,735	20,283	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	29,190	47,282	57,655	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	45,804	83,944	108,484	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,202	23,632	25,362	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,276	27,544	34,050	No	No	No	No formal educational credential	No	Yes	Yes
41-2021	Counter and Rental Clerks	19,077	28,283	32,319	No	No	No	No formal educational credential	No	Yes	Yes
41-2022	Parts Salespersons	27,393	41,543	49,891	No	No	No	High school diploma or equivalent	Yes	No	Yes
41-2031	Retail Salespersons	19,884	29,078	32,039	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	21,242	55,044	74,221	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	33,081	63,233	72,465	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	35,750	63,497	69,253	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	24,823	31,838	36,936	No	No	No	Some college, no degree	No	No	No

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41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	27,598	56,515	65,315	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	31,913	88,454	118,212	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	29,950	70,305	96,506	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,922	37,765	47,494	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models	19,922	37,765	47,494	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	25,735	64,308	66,945	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	19,238	58,822	68,003	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	54,000	107,471	138,788	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	19,102	24,591	26,693	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	18,093	26,533	28,824	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,353	29,020	30,745	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	27,544	52,272	61,737	No	No	No	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	22,688	29,515	32,403	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	23,223	30,229	31,403	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	28,420	39,333	46,503	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	26,923	39,535	41,382	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	28,608	36,279	39,733	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	23,846	37,873	45,062	No	No	No	Some college, no degree	No	No	No
43-3041	Gambling Cage Workers	19,094	26,909	30,412	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	19,753	43,436	50,885	No	No	No	Some college, no degree	No	Yes	Yes
43-3061	Procurement Clerks	27,605	42,565	50,835	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	27,564	34,358	38,166	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	34,633	46,488	52,672	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	38,112	52,274	61,523	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	28,179	40,296	46,859	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	26,797	39,935	45,792	No	No	No	Some college, no degree	Yes	Yes	No
43-4041	Credit Authorizers, Checkers, and Clerks	27,390	41,691	47,831	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	21,960	32,637	36,174	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	26,988	37,785	43,612	No	No	No	High school diploma or equivalent	Yes	No	No
43-4071	File Clerks	23,878	32,939	38,074	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	20,396	25,951	29,269	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	18,478	27,039	35,374	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	20,939	26,861	30,220	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	21,413	39,998	47,990	No	No	No	High school diploma or equivalent	No	No	No
43-4141	New Accounts Clerks	28,670	39,170	44,549	No	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	21,908	35,193	44,853	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	28,629	39,863	45,356	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	21,036	28,795	32,607	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	29,259	54,167	72,325	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-4199	Information and Record Clerks, All Other	27,217	38,199	45,001	No	No	No	High school diploma or equivalent	Yes	No	No
43-5011	Cargo and Freight Agents	26,377	47,530	63,078	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	26,082	29,810	31,705	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	29,425	39,008	45,156	No	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	24,140	34,474	39,352	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	27,465	33,785	38,091	No	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,768	52,328	62,996	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,056	52,558	65,031	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	33,145	49,669	60,612	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	27,981	48,197	59,996	No	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	21,633	33,644	38,065	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	32,909	42,398	48,688	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-6011	Executive Secretaries and Executive Administrative Assistants	33,822	51,549	62,407	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	22,006	37,069	46,627	No	No	No	Some college, no degree	No	No	Yes
43-6013	Medical Secretaries and Administrative Assistants	26,766	36,904	42,853	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	25,851	39,805	47,752	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	21,436	34,778	39,664	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	19,546	31,615	37,736	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	27,688	50,930	55,656	No	No	No	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	26,630	40,488	45,781	No	No	No	High school diploma or equivalent	Yes	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	22,021	32,198	38,684	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	20,219	32,921	38,477	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	23,887	32,068	37,190	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	25,609	40,738	54,010	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	31,567	53,230	65,222	No	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	34,158	47,459	53,999	Yes	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	30,123	53,663	59,082	No	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	19,739	35,907	45,425	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders										
45-2041	Graders and Sorters, Agricultural Products	24,676	32,625	36,629	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	22,308	32,289	36,908	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	18,276	23,675	24,599	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	20,191	31,028	39,766	No	No	No	No formal educational credential	Yes	Yes	Yes

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45-2099	Agricultural Workers, All Other	18,921	27,910	28,198	No	No	No	No formal educational credential	No	Yes	No
45-3031	Fishing and Hunting Workers	20,191	31,028	39,766	No	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	34,877	39,824	43,270	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	26,389	36,148	39,641	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	18,083	34,887	44,424	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	22,222	32,077	37,351	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,988	45,608	57,446	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	41,723	62,827	71,961	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	33,751	49,949	58,610	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	27,945	40,098	47,886	No	No	No	High school diploma or equivalent	Yes	No	No
47-2022	Stonemasons	31,673	38,063	41,941	No	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	27,881	40,869	48,540	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	18,016	31,384	40,488	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	23,117	38,496	50,141	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	25,176	34,454	39,353	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	19,306	46,346	58,358	No	No	No	No formal educational credential	No	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	33,639	42,562	47,656	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	32,741	43,106	48,476	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2061	Construction Laborers	20,442	31,610	36,886	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	32,496	37,064	40,090	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	32,404	48,746	58,071	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	27,375	41,629	48,347	No	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	27,984	37,979	40,592	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	18,199	39,574	48,495	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	34,065	49,564	59,325	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	28,106	40,580	47,641	No	No	No	High school diploma or equivalent	Yes	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	26,418	37,909	44,569	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	28,160	38,390	44,405	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	28,700	40,823	46,370	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	31,778	46,080	58,985	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	27,071	35,292	39,461	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	34,003	48,425	56,015	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	20,682	29,224	35,684	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	30,441	43,760	50,324	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	18,581	33,732	44,857	No	No	No	No formal educational credential	No	Yes	Yes
47-2211	Sheet Metal Workers	31,469	47,943	57,603	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	25,620	50,846	62,384	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-2231	Solar Photovoltaic Installers	24,551	34,752	38,871	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	21,375	29,353	34,377	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	21,529	31,259	36,562	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	22,475	28,388	31,079	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	19,922	27,169	31,653	No	No	No	No formal educational credential	No	No	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	21,052	26,009	28,400	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	23,771	32,914	37,678	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	23,746	30,043	32,075	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	35,164	59,131	72,404	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	39,872	74,740	94,103	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	25,795	43,638	57,207	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	26,004	38,304	45,425	No	No	No	High school diploma or equivalent	No	No	No
47-4051	Highway Maintenance Workers	26,023	32,624	37,506	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	32,962	46,340	53,134	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	24,820	36,831	39,766	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	26,331	37,447	42,365	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	33,078	43,568	49,313	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	24,002	52,172	67,435	No	No	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	30,368	46,225	50,547	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5041	Continuous Mining Machine Operators	34,935	55,598	66,329	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	34,935	55,598	66,329	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	29,517	36,090	38,304	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	33,078	43,568	49,313	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	22,809	33,010	38,602	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	34,386	44,239	50,892	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	34,329	54,655	70,092	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	41,789	63,403	76,058	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	27,729	36,839	41,058	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	30,171	55,579	70,900	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	35,999	53,606	68,906	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	44,053	61,486	68,628	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	27,246	41,739	49,390	No	No	No	High school diploma or equivalent	Yes	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	32,548	53,009	66,771	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	38,156	65,514	79,754	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	40,864	69,100	87,752	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	27,735	33,822	38,027	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2097	Audiovisual Equipment Installers and Repairers	23,357	42,346	53,750	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	33,392	40,990	46,739	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	34,524	55,740	65,170	Yes	Yes	Yes	Associate's degree	No	Yes	No
49-3021	Automotive Body and Related Repairers	26,158	49,596	61,553	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	21,057	36,090	41,614	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	21,196	36,188	41,065	No	No	No	Postsecondary nondegree award	No	No	No
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	33,529	47,575	55,005	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	25,581	40,912	49,602	No	No	No	High school diploma or equivalent	No	No	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	37,147	53,623	64,176	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	35,205	53,991	61,238	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	29,384	47,446	57,819	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	24,695	35,493	41,778	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	27,134	35,988	42,155	No	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	21,510	28,959	32,943	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	26,341	46,224	58,379	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	21,505	31,489	38,190	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	24,966	37,282	41,174	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	32,521	40,106	45,105	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	32,652	44,900	52,938	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	20,834	31,704	37,743	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	32,705	52,053	61,217	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	26,062	33,245	38,623	No	No	No	High school diploma or equivalent	No	No	No
49-9044	Millwrights	30,951	48,293	59,553	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	23,049	32,673	37,062	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	33,867	58,663	74,509	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	29,372	44,290	50,343	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	18,719	39,978	52,922	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	18,607	41,490	54,748	No	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	22,857	33,992	38,746	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	21,115	42,163	52,364	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	36,937	54,751	62,748	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	20,545	35,814	42,782	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	43,346	70,977	86,231	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18,815	29,680	35,888	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	32,664	48,466	49,227	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	27,455	36,590	40,388	No	No	No	High school diploma or equivalent	Yes	No	No
49-9095	Manufactured Building and Mobile Home Installers	20,557	28,295	30,922	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	32,602	48,317	68,868	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	38,217	63,826	76,838	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	25,788	34,268	38,313	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	27,433	41,677	48,290	No	No	No	High school diploma or equivalent	Yes	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	35,445	61,481	74,561	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	33,415	40,441	41,078	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
51-2021	Coil Winders, Tapers, and Finishers	18,064	34,502	48,139	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	24,343	32,138	36,831	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	24,647	29,199	30,633	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	26,590	41,726	51,609	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-2051	Fiberglass Laminators and Fabricators	26,737	36,171	39,871	No	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters	26,399	33,944	39,131	No	No	No	High school diploma or equivalent	Yes	No	No
51-2090	Miscellaneous Assemblers and Fabricators	22,272	34,103	39,043	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	21,449	27,631	31,295	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	27,221	36,534	42,508	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	29,430	35,489	39,205	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	21,577	27,554	30,248	No	No	No	No formal educational credential	Yes	Yes	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	24,676	32,625	36,629	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	19,084	29,286	33,848	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	18,748	27,053	31,413	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,403	26,341	29,546	No	No	No	No formal educational credential	Yes	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	24,849	34,300	38,948	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	25,475	34,406	38,073	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	25,648	35,291	41,277	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	24,890	42,365	54,196	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	32,269	53,076	64,808	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,227	31,080	37,212	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,222	36,696	43,144	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	32,558	42,885	48,669	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 13 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-4041	Machinists	30,167	42,530	49,283	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	29,565	40,864	47,523	No	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	25,282	39,911	47,841	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	32,269	53,076	64,808	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	28,805	51,344	60,622	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	20,692	36,340	46,118	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	20,799	31,321	38,781	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	26,610	47,398	68,873	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4111	Tool and Die Makers	36,514	58,296	68,877	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	27,583	41,498	47,503	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	19,932	29,654	34,801	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	21,587	33,597	38,640	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	27,659	44,136	54,905	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	27,525	37,485	40,575	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,340	34,656	38,400	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	20,509	32,991	37,505	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	22,000	37,274	44,501	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	18,536	27,170	31,118	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	20,191	30,691	36,985	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	19,104	23,458	25,024	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	21,012	26,156	29,469	No	No	No	No formal educational credential	Yes	No	No
51-6031	Sewing Machine Operators	21,300	26,395	28,996	No	No	No	No formal educational credential	Yes	No	No
51-6041	Shoe and Leather Workers and Repairers	19,065	29,834	35,907	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,353	28,737	34,675	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,403	27,467	32,722	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	23,294	30,254	33,949	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	24,830	29,940	34,050	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20,384	30,210	35,455	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18,353	25,455	28,987	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,287	43,549	67,791	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	36,687	66,329	79,023	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	18,122	28,497	30,316	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	21,984	33,184	39,964	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	18,007	26,524	32,404	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	24,126	37,198	45,110	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	19,161	35,532	44,039	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood	28,805	51,344	60,622	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	20,942	29,623	32,943	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	21,835	30,077	34,796	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	21,981	39,304	54,712	No	No	No	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	67,782	92,679	105,046	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	48,928	78,320	98,184	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	43,346	70,977	86,231	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	37,582	56,108	63,326	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	30,015	45,142	53,864	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	30,672	50,016	60,881	No	No	No	Associate's degree	No	No	No
51-8092	Gas Plant Operators	31,855	46,157	55,444	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	29,257	49,371	57,465	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	37,716	57,657	61,757	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	25,754	43,039	54,433	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	23,354	36,204	42,468	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	23,001	34,675	39,949	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	22,193	32,298	36,600	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	19,173	33,961	36,733	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	20,210	34,117	40,661	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	24,054	33,870	39,008	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,953	32,712	37,158	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	22,154	31,721	36,513	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	26,670	41,839	48,791	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	23,531	43,539	55,540	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	27,865	47,309	59,975	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9082	Medical Appliance Technicians	24,618	44,415	52,191	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	23,520	38,168	46,097	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	18,888	26,073	27,723	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	30,508	45,978	57,420	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	27,823	44,265	51,369	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9141	Semiconductor Processing Technicians	27,323	40,248	47,186	No	No	No	High school diploma or equivalent	Yes	No	No

Workforce Region 13 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-9151	Photographic Process Workers and Processing Machine Operators	23,280	40,450	48,476	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	27,792	36,784	40,282	No	No	No	Postsecondary nondegree award	Yes	No	No
51-9162	Computer Numerically Controlled Tool Programmers	34,699	47,679	54,731	Yes	No	No	Associate's degree	No	No	No
51-9191	Adhesive Bonding Machine Operators and Tenders	20,769	33,386	40,459	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	23,040	33,395	38,361	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	20,894	35,753	44,174	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,987	25,715	31,961	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	25,919	34,533	38,886	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	24,763	35,426	39,863	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	25,244	36,321	44,097	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	22,918	31,651	35,779	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	20,545	32,713	38,209	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	33,492	61,257	76,039	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	30,060	48,207	54,648	No	No	No	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	94,488	221,092	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	41,508	121,686	152,396	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	66,896	118,038	146,285	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	24,464	44,877	58,139	No	No	No	Some college, no degree	No	Yes	Yes
53-2031	Flight Attendants	29,642	56,050	64,741	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	21,096	28,083	30,479	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,238	28,733	32,503	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	30,627	43,052	49,734	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	19,999	37,207	43,975	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	28,117	37,936	41,786	No	No	No	High school diploma or equivalent	Yes	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	23,135	29,300	32,055	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,029	40,707	53,239	No	No	No	High school diploma or equivalent	No	No	Yes
53-4011	Locomotive Engineers	51,537	64,712	71,285	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	52,008	65,347	74,384	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	33,453	54,655	65,337	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	52,008	65,347	74,384	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	21,548	40,604	57,224	No	No	No	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	27,881	53,269	69,533	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	21,798	36,576	41,499	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	42,669	67,221	84,064	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	19,229	42,269	53,846	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	31,663	70,631	86,520	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	21,810	33,408	49,888	No	No	No	High school diploma or equivalent	No	No	Yes
53-6021	Parking Attendants	18,360	23,231	26,344	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	21,077	26,577	29,964	No	No	No	No formal educational credential	Yes	No	No
53-6041	Traffic Technicians	29,677	40,193	45,044	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	55,684	91,666	118,657	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	18,093	23,665	25,513	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	21,702	31,952	37,437	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,258	32,693	39,218	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	41,114	60,962	76,554	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	32,856	46,368	53,837	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	25,966	39,997	42,038	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	26,460	37,628	44,152	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	19,534	28,341	31,295	No	No	No	No formal educational credential	No	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	22,481	31,334	35,063	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	19,258	31,249	37,351	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,027	23,035	24,863	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	21,055	28,786	32,731	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	33,809	62,758	75,452	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	19,537	39,199	46,696	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	24,137	38,294	47,052	No	No	No	High school diploma or equivalent	No	No	No
53-7081	Refuse and Recyclable Material Collectors	29,424	38,779	43,842	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,258	32,693	39,218	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	22,357	41,085	56,828	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 14 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
11-1011	Chief Executives	97,500	235,174	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	45,443	110,895	137,572	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	18,569	71,757	97,723	No	Yes	Yes	Bachelor's degree	No	No	No
11-2011	Advertising and Promotions Managers	82,527	134,213	169,880	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	72,573	139,325	164,279	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	70,123	152,264	195,108	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	41,885	92,423	113,934	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3010	Administrative Services and Facilities Managers	44,400	89,702	111,931	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	87,718	145,554	174,641	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	70,938	137,989	166,812	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	62,082	109,216	130,348	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	60,126	108,457	141,926	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	39,983	90,659	112,229	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3111	Compensation and Benefits Managers	69,405	95,047	110,322	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	68,262	118,982	144,906	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	67,815	106,097	126,389	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	36,369	78,189	82,893	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9021	Construction Managers	46,455	98,594	110,605	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	33,350	49,068	52,212	Yes	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	67,960	95,342	112,197	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	46,900	91,646	106,951	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9039	Education Administrators, All Other	54,252	88,128	102,345	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9041	Architectural and Engineering Managers	94,432	142,830	162,954	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	31,698	52,473	60,234	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	45,333	86,613	95,252	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	26,214	47,517	48,600	No	No	No	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	57,929	115,943	133,230	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	51,726	91,379	117,708	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	79,647	97,219	106,454	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	33,597	56,024	61,476	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	40,063	73,809	94,282	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9161	Emergency Management Directors	46,380	74,828	83,119	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9171	Funeral Home Managers	28,562	65,941	81,965	No	Yes	Yes	Associate's degree	No	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	45,736	104,806	135,178	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	33,574	84,192	101,245	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	37,277	63,334	77,443	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	37,397	64,995	80,810	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	48,256	67,631	79,301	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	35,883	65,738	83,207	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	36,495	65,130	83,485	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	36,849	61,936	76,726	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	80,720	111,000	122,718	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1081	Logisticians	44,685	76,801	93,081	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1111	Management Analysts	31,085	79,912	99,304	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1121	Meeting, Convention, and Event Planners	26,461	45,896	53,470	No	No	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	31,766	57,991	67,036	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	39,872	58,452	67,602	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	26,024	60,503	78,970	No	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	30,659	59,888	73,184	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	36,399	74,371	93,889	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	42,549	73,673	85,269	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	24,721	44,427	58,811	No	No	No	Bachelor's degree	No	No	No
13-2031	Budget Analysts	52,558	84,056	100,603	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2041	Credit Analysts	52,636	88,500	102,261	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	42,380	97,625	105,643	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	38,722	62,458	69,524	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	53,256	87,791	101,349	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	30,561	55,145	70,255	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2072	Loan Officers	43,425	77,460	94,337	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	30,416	49,521	55,043	Yes	No	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	18,952	46,347	60,093	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	43,929	79,078	92,348	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1211	Computer Systems Analysts	45,972	80,938	100,097	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
15-1212	Information Security Analysts	52,432	81,712	101,150	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
15-1221	Computer and Information Research Scientists	66,780	96,008	111,790	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	47,056	77,759	97,437	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	28,542	49,728	60,934	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	56,975	103,456	127,894	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	49,983	81,976	99,060	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
15-1245	Database Administrators and Architects	33,336	82,162	118,106	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-1251	Computer Programmers	39,646	78,609	95,336	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	50,694	98,123	123,550	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	31,029	72,197	98,133	Yes	Yes	Yes	Associate's degree	No	Yes	Yes

Workforce Region 14 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
15-1299	Computer Occupations, All Other	37,224	85,350	112,509	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2011	Actuaries	48,649	114,903	141,697	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	69,304	103,892	117,491	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	40,937	71,139	84,073	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2041	Statisticians	58,179	101,096	125,004	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	48,438	79,239	99,250	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
17-1011	Architects, Except Landscape and Naval	61,380	102,154	129,845	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	42,234	71,124	89,525	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1021	Cartographers and Photogrammetrists	43,247	66,785	79,331	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1022	Surveyors	42,422	59,828	68,873	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	65,693	107,788	128,482	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	43,031	79,380	98,155	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2031	Bioengineers and Biomedical Engineers	64,868	95,289	114,915	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	49,240	96,128	121,555	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	28,459	73,491	99,061	No	Yes	Yes	Bachelor's degree	No	No	Yes
17-2061	Computer Hardware Engineers	51,254	79,994	95,676	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2071	Electrical Engineers	73,428	115,310	139,558	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	67,663	96,224	109,353	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	56,252	98,088	124,882	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	68,912	102,591	118,414	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	52,642	85,851	101,616	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	47,695	79,026	94,475	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2131	Materials Engineers	34,935	80,905	117,964	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
17-2141	Mechanical Engineers	41,541	75,550	91,481	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	72,335	116,251	142,298	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	84,704	106,834	120,669	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	72,807	158,140	194,431	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	32,274	74,366	99,739	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
17-3011	Architectural and Civil Drafters	44,615	61,090	66,071	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	23,016	51,415	63,813	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3013	Mechanical Drafters	44,546	72,239	88,772	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	23,329	41,274	49,253	No	No	No	Associate's degree	No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	40,069	67,562	87,144	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	37,646	57,624	68,755	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	42,101	56,737	63,997	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	33,320	42,530	47,741	Yes	No	No	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	35,059	57,369	71,360	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3026	Industrial Engineering Technologists and Technicians	30,108	55,050	67,380	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	37,672	54,200	63,206	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3031	Surveying and Mapping Technicians	28,708	39,873	41,481	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	40,447	59,042	70,416	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	40,915	63,754	76,320	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	31,587	57,240	72,039	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	31,331	71,105	96,502	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1021	Biochemists and Biophysicists	43,395	78,613	89,525	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	38,914	73,453	96,241	Yes	Yes	Yes	Master's degree	No	No	Yes
19-1023	Zoologists and Wildlife Biologists	31,911	52,251	58,804	Yes	Yes	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	39,685	81,007	114,193	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1031	Conservation Scientists	38,420	94,597	123,667	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1032	Foresters	45,697	74,667	95,498	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1041	Epidemiologists	32,384	54,347	67,670	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	47,980	92,256	107,553	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	49,614	102,642	128,728	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	84,300	143,843	163,326	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	84,300	143,843	163,326	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	58,253	97,407	114,490	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	42,953	67,307	81,059	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	66,611	110,928	143,041	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	37,366	66,980	83,095	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	59,951	90,205	102,759	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	45,622	80,709	99,195	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-2099	Physical Scientists, All Other	43,255	74,132	86,963	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-3011	Economists	54,092	87,489	116,764	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	46,525	63,114	73,972	Yes	Yes	Yes	Master's degree	No	No	No
19-3031	Clinical, Counseling, and School Psychologists	54,773	73,986	81,408	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	29,038	71,124	93,776	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	45,373	96,374	113,712	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	52,192	74,549	90,431	Yes	Yes	Yes	Master's degree	Yes	No	Yes
19-3051	Urban and Regional Planners	42,029	66,296	79,958	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	32,384	54,347	67,670	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	62,986	82,716	95,744	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	24,571	57,653	84,664	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists	61,648	98,037	113,014	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	64,595	88,637	97,181	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
19-4010	Agricultural and Food Science Technicians	18,982	35,897	43,474	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	27,960	40,228	46,256	No	No	No	Bachelor's degree	No	No	No

Workforce Region 14 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
19-4031	Chemical Technicians	31,297	46,622	56,112	Yes	No	No	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	27,257	53,747	72,924	No	Yes	Yes	Associate's degree	No	Yes	Yes
19-4045	Geological and Hydrologic Technicians	25,899	45,816	55,478	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	69,304	94,760	107,405	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	28,321	50,930	62,944	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	30,721	46,258	55,311	Yes	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	41,093	57,294	65,693	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	38,929	57,695	63,486	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	33,786	65,004	85,125	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	27,768	47,080	58,475	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	24,476	54,017	72,473	No	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	22,238	32,334	35,386	No	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	26,962	37,743	43,940	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	27,077	41,541	48,582	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	26,675	31,588	34,043	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	18,730	39,425	53,886	No	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	38,420	57,211	66,861	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	27,288	38,949	41,324	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	39,104	68,020	81,063	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	28,412	53,536	75,227	No	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	30,918	39,616	43,887	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	22,947	38,069	42,950	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	29,010	46,770	51,756	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	32,174	42,812	48,797	Yes	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	37,248	68,655	84,405	Yes	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	29,009	66,126	79,353	No	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	19,316	42,804	56,748	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	64,334	124,136	147,780	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
23-1012	Judicial Law Clerks	29,835	50,529	57,161	No	No	No	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	38,229	100,930	123,601	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	25,132	70,140	99,218	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	143,734	184,777	168,561	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	28,114	46,587	56,972	No	No	No	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	23,329	35,180	39,531	No	No	No	High school diploma or equivalent	No	No	No
23-2099	Legal Support Workers, All Other	24,599	60,191	60,653	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	58,549	107,424	126,337	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	45,943	97,260	121,732	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	41,998	81,860	108,034	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	26,096	89,240	111,360	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	53,294	108,930	133,432	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	54,554	102,898	125,245	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	41,663	88,630	108,526	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	67,936	111,341	130,952	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	46,986	93,638	116,005	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	51,523	86,652	102,347	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	23,055	74,037	86,908	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	48,049	93,225	117,796	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	57,309	91,601	103,508	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	42,716	79,124	96,108	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	58,549	107,424	126,337	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	51,680	86,022	101,324	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	52,143	92,694	104,433	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	41,328	80,295	95,803	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	42,352	79,951	97,486	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	43,444	82,795	109,845	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	56,551	114,785	122,460	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	55,233	79,510	89,587	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	41,771	67,346	79,921	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	43,188	69,875	82,352	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	39,114	88,079	95,902	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	55,301	149,697	198,406	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	36,290	73,565	86,593	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	32,876	97,506	111,528	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	40,935	71,351	84,310	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	30,760	75,542	104,640	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	46,573	84,635	109,078	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	28,694	81,958	94,248	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	44,428	92,143	108,349	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	41,771	67,346	79,921	Yes	Yes	Yes	Master's degree	No	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	32,836	66,145	80,216	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	31,650	41,315	40,552	Yes	No	No	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	22,583	54,986	69,117	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,147	30,552	31,764	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	34,767	66,009	78,423	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	41,783	66,385	78,355	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	34,225	51,996	60,991	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	29,491	58,096	74,204	No	Yes	Yes	Bachelor's degree	No	No	No

Workforce Region 14 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	38,563	60,546	72,649	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	42,942	64,187	73,033	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2051	Special Education Teachers, Preschool	31,538	61,205	77,855	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	33,506	53,417	71,322	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	40,364	58,677	68,871	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	41,112	62,052	74,332	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2059	Special Education Teachers, All Other	27,572	51,001	62,002	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	31,242	46,337	57,210	Yes	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	18,468	30,455	37,190	No	No	No	Some college, no degree	No	No	No
25-3031	Substitute Teachers, Short-Term	21,299	37,622	31,439	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	18,684	50,583	74,399	No	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	26,893	42,854	49,919	No	No	No	Master's degree	No	No	No
25-4012	Curators	28,477	54,317	61,825	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	22,504	40,600	48,915	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	35,287	51,625	59,545	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	28,377	58,331	77,554	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-9021	Farm and Home Management Educators	18,755	37,658	47,705	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	34,930	68,010	80,598	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	18,834	37,520	48,413	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	21,487	28,825	31,280	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	21,015	29,278	36,271	No	No	No	Bachelor's degree	No	No	No
27-1011	Art Directors	55,134	80,784	95,814	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1012	Craft Artists	25,920	30,048	32,905	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,913	46,662	62,475	No	No	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	44,886	65,449	77,170	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	29,894	84,330	103,095	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	38,121	66,547	71,578	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	31,872	61,570	71,203	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	20,660	25,555	27,858	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	31,680	47,495	57,454	Yes	No	No	Bachelor's degree	No	No	No
27-1025	Interior Designers	41,958	61,188	71,393	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	19,474	36,812	46,305	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	22,248	48,423	60,133	No	No	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	31,587	57,771	66,263	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	21,081	43,534	48,426	No	No	No	Some college, no degree	No	Yes	No
27-2012	Producers and Directors	33,777	61,822	77,303	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	18,421	69,865	82,185	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	20,928	47,672	60,432	No	No	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	21,466	71,852	76,651	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2031	Dancers	19,812	54,443	79,946	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	18,175	38,308	58,175	No	No	No	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	18,539	65,014	75,611	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,646	88,296	123,787	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,647	25,614	29,806	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	19,156	45,836	60,130	No	No	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	36,698	64,954	79,246	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	27,310	48,214	59,810	No	No	Yes	Bachelor's degree	No	No	No
27-3041	Editors	20,424	52,083	68,583	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	36,125	61,823	75,973	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	32,359	42,631	52,191	Yes	No	No	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	33,413	45,377	51,794	Yes	No	No	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	19,080	50,332	82,716	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	33,575	47,608	55,373	Yes	No	No	Associate's degree	Yes	No	No
27-4011	Audio and Video Technicians	26,189	47,248	56,375	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	35,082	57,511	60,261	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
27-4014	Sound Engineering Technicians	23,232	55,606	63,872	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	27,517	48,389	59,275	No	No	Yes	Some college, no degree	Yes	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	22,044	66,005	121,244	No	Yes	Yes	Bachelor's degree	No	No	Yes
27-4032	Film and Video Editors	31,370	53,117	64,000	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	24,335	79,961	103,813	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	27,343	66,715	77,158	No	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	65,298	135,931	154,945	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	62,819	231,233	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	88,128	178,027	204,674	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	78,986	211,434	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	56,354	172,507	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	22,290	54,579	68,996	No	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	113,011	137,159	156,580	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1051	Pharmacists	83,255	129,676	155,085	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
29-1071	Physician Assistants	75,410	105,714	125,278	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	88,097	149,561	198,474	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1122	Occupational Therapists	66,318	86,443	99,846	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	44,410	79,595	98,254	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	55,011	95,781	109,893	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	21,102	37,003	49,404	No	No	No	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	47,355	61,793	68,099	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	60,647	83,816	97,639	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	34,962	53,284	65,427	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	31,252	50,696	59,336	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	94,029	121,488	134,873	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	51,648	71,763	81,312	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	133,668	173,934	179,257	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	21,550	66,450	97,437	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	88,474	108,169	122,354	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	67,734	79,253	86,657	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	134,002	267,100	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	160,633	266,183	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	98,332	164,202	197,974	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1218	Obstetricians and Gynecologists	149,852	248,390	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	57,889	155,739	194,066	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	49,796	237,603	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	106,449	231,068	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	51,178	240,915	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	59,622	74,106	81,779	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	59,953	77,287	85,637	Yes	Yes	Yes	Master's degree	Yes	Yes	No
29-2010	Clinical Laboratory Technologists and Technicians	28,142	48,913	61,413	No	No	Yes	Associate's degree	No	No	Yes
29-2031	Cardiovascular Technologists and Technicians	25,530	46,644	65,467	No	No	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	54,474	70,235	80,221	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	57,941	75,710	85,136	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	36,106	61,962	75,885	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	40,588	67,866	79,137	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	22,121	35,375	40,216	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	19,109	27,426	31,131	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	24,340	33,861	38,896	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	26,064	32,911	36,544	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	28,459	45,812	54,346	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	27,372	37,029	40,722	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	27,165	39,275	46,514	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	37,992	46,931	51,042	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	29,883	46,857	56,336	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2091	Orthotists and Prosthetists	36,546	75,237	88,866	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-2092	Hearing Aid Specialists	21,574	111,416	159,986	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	27,329	44,649	53,637	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	20,168	43,802	50,230	No	No	No	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	58,539	79,410	91,533	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	29,475	55,880	70,101	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	20,092	24,685	25,802	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	22,311	28,955	31,821	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	20,920	27,877	30,632	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	25,161	29,540	31,488	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	48,512	67,384	78,486	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	19,178	27,897	31,734	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	50,731	66,801	77,243	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	22,889	30,631	31,940	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	19,302	32,432	32,689	No	No	No	Postsecondary nondegree award	No	No	No
31-9091	Dental Assistants	28,560	43,129	51,396	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	26,760	33,484	38,038	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9093	Medical Equipment Preparers	19,757	31,950	37,973	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	23,355	31,663	36,039	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	21,186	32,069	38,317	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	21,533	27,609	30,807	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	27,413	37,053	41,917	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9099	Healthcare Support Workers, All Other	21,669	40,204	49,314	No	No	No	High school diploma or equivalent	No	No	Yes
33-1011	First-Line Supervisors of Correctional Officers	33,079	50,327	62,325	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	70,136	91,626	103,604	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	49,727	78,602	96,572	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	27,112	43,179	51,895	No	No	No	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	34,849	52,815	65,868	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	42,804	58,276	67,799	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	29,176	34,490	37,678	No	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	32,354	45,993	53,284	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,268	44,812	53,353	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	40,934	66,876	72,881	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	20,871	28,005	30,248	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	27,003	34,561	38,547	No	No	No	High school diploma or equivalent	Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	41,090	58,717	67,889	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	44,290	63,803	75,749	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	26,696	38,150	43,129	No	No	No	Postsecondary nondegree award	Yes	No	No

Workforce Region 14 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
33-9021	Private Detectives and Investigators	36,704	64,241	78,474	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	24,630	34,185	38,740	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	21,590	33,622	37,097	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	19,184	28,557	36,148	No	No	No	No formal educational credential	No	Yes	Yes
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	18,531	23,763	27,333	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	35,237	41,791	44,615	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	25,135	38,041	41,950	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	26,815	44,949	52,090	No	No	No	Associate's degree	No	No	No
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	20,570	37,279	44,388	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,276	21,151	22,687	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	22,859	29,498	32,300	No	No	No	No formal educational credential	Yes	Yes	No
35-2013	Cooks, Private Household	20,713	29,678	34,814	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	18,813	27,511	31,625	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	19,192	25,801	29,217	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	21,666	24,224	25,492	No	No	No	No formal educational credential	Yes	No	No
35-2021	Food Preparation Workers	19,658	25,644	29,481	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,897	31,282	44,894	No	No	No	No formal educational credential	No	Yes	Yes
35-3023	Fast Food and Counter Workers	18,713	23,247	25,100	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	19,010	31,560	40,134	No	No	No	No formal educational credential	No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	18,958	22,450	24,351	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,699	21,610	23,022	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	18,803	22,759	24,906	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,811	23,727	26,142	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	20,623	28,554	35,699	No	No	No	No formal educational credential	Yes	Yes	Yes
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	25,663	41,261	48,898	No	No	No	High school diploma or equivalent	No	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	26,964	41,232	50,397	No	No	No	Some college, no degree	Yes	No	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	20,768	28,805	32,859	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	20,385	24,519	25,913	No	No	No	No formal educational credential	Yes	No	No
37-2019	Building Cleaning Workers, All Other	21,235	35,916	51,897	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	33,363	44,136	50,548	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
37-3011	Landscaping and Groundskeeping Workers	22,249	30,290	33,695	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	22,188	31,454	39,648	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	28,394	39,896	47,468	No	No	No	High school diploma or equivalent	Yes	No	No
37-3019	Grounds Maintenance Workers, All Other	25,761	35,267	39,006	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	35,916	55,144	65,053	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	24,153	44,036	54,300	No	No	No	Some college, no degree	No	Yes	Yes
39-2011	Animal Trainers	21,333	30,109	37,768	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	20,080	27,544	31,311	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	18,135	24,689	27,857	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	19,385	27,109	30,613	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,818	34,106	35,228	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	18,765	29,442	32,266	No	No	No	No formal educational credential	No	Yes	No
39-3031	Ushers, Lobby Attendants, and Ticket Takers	18,497	20,388	20,079	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,861	24,493	26,446	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	25,771	55,400	72,187	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	19,096	25,081	29,381	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,647	25,614	29,806	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	33,358	56,010	57,073	Yes	Yes	No	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	21,340	29,673	35,238	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	29,762	52,858	62,203	No	Yes	Yes	Associate's degree	No	Yes	Yes
39-5011	Barbers	21,560	31,301	37,245	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,647	29,865	32,450	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	35,828	69,540	80,236	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	19,162	32,040	39,226	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	18,952	25,909	29,894	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,993	28,906	31,430	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	19,105	26,932	30,093	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	20,917	27,996	31,103	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	19,499	26,302	25,327	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	18,705	24,579	26,811	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	18,781	28,872	34,258	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	19,912	29,457	33,780	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	21,953	30,192	34,072	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	18,937	21,597	21,151	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	28,766	52,281	62,292	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	43,279	84,684	106,339	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,467	24,287	25,960	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,686	28,162	34,814	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	22,187	36,825	40,241	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	20,244	29,885	32,591	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,485	29,204	31,787	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	26,701	57,785	74,187	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-3021	Insurance Sales Agents	27,598	68,029	63,315	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	36,873	75,067	83,497	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	39,171	47,421	51,600	Yes	No	No	Some college, no degree	Yes	Yes	Yes

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41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	26,780	61,416	72,956	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	34,781	87,234	94,773	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	28,790	64,393	80,617	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	20,369	38,613	48,561	No	No	No	No formal educational credential	Yes	Yes	Yes
41-9012	Models	20,369	38,613	48,561	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	26,312	65,752	68,448	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	20,053	71,007	110,156	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	62,536	113,626	143,826	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	21,090	27,654	30,859	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	18,499	27,129	29,471	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	19,508	50,103	69,893	No	No	Yes	Some college, no degree	No	Yes	Yes
43-1011	First-Line Supervisors of Office and Administrative Support Workers	34,713	59,914	68,815	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	22,541	30,610	35,513	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	23,744	30,908	32,108	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	29,058	40,216	47,547	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	27,982	39,479	41,990	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	28,976	38,314	42,794	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	28,254	45,211	51,462	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	19,523	27,513	31,095	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	26,161	43,637	51,170	No	No	No	Some college, no degree	No	Yes	Yes
43-3061	Procurement Clerks	29,092	40,769	46,984	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	32,707	39,420	44,740	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	32,618	38,081	40,464	Yes	No	No	Some college, no degree	Yes	No	No
43-4011	Brokerage Clerks	35,784	61,553	69,086	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	28,812	41,200	47,911	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	32,979	43,909	48,946	Yes	No	No	Some college, no degree	Yes	Yes	No
43-4041	Credit Authorizers, Checkers, and Clerks	33,679	41,353	45,241	Yes	No	No	Some college, no degree	Yes	No	No
43-4051	Customer Service Representatives	21,887	33,143	37,755	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	26,980	34,290	39,943	No	No	No	High school diploma or equivalent	Yes	No	No
43-4071	File Clerks	23,230	33,334	38,485	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	21,256	26,935	29,324	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	19,897	30,406	36,219	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	20,563	27,594	31,144	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	27,127	40,806	48,982	No	No	No	High school diploma or equivalent	Yes	No	No
43-4141	New Accounts Clerks	32,927	44,448	51,630	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4151	Order Clerks	24,457	34,592	39,551	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	28,874	39,091	45,416	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	22,025	30,649	35,345	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	19,202	27,449	30,984	No	No	No	High school diploma or equivalent	No	No	No
43-4199	Information and Record Clerks, All Other	29,658	42,580	49,016	No	No	No	High school diploma or equivalent	Yes	Yes	No
43-5011	Cargo and Freight Agents	26,677	43,808	50,519	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	25,741	36,548	44,230	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	32,916	41,449	47,063	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	25,726	35,944	40,725	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	27,083	34,723	38,798	No	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,765	52,765	62,995	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,056	53,837	65,033	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	63,627	64,124	64,266	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	29,182	48,417	58,745	No	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	24,063	33,751	39,100	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	24,581	34,505	39,487	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	35,115	56,165	65,828	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	29,441	42,295	49,473	No	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	25,990	35,032	39,717	No	No	No	Some college, no degree	No	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	22,810	37,217	44,291	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	21,487	33,172	37,748	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	19,985	32,325	38,583	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	28,310	52,074	56,905	No	Yes	No	Associate's degree	No	Yes	No
43-9041	Insurance Claims and Policy Processing Clerks	29,815	41,523	44,019	No	No	No	High school diploma or equivalent	Yes	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	21,799	29,387	32,536	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	20,201	36,457	42,577	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	26,361	32,893	36,990	No	No	No	High school diploma or equivalent	Yes	No	No
43-9081	Proofreaders and Copy Markers	26,185	41,653	55,223	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	32,276	54,426	66,686	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	26,413	37,963	41,614	No	No	No	Some college, no degree	No	No	No
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	30,800	54,868	60,408	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	20,182	36,713	46,445	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	21,520	39,134	44,989	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	25,230	33,358	37,451	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	22,809	33,014	37,737	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	18,304	25,475	32,913	No	No	No	No formal educational credential	No	No	Yes
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	20,645	31,724	40,659	No	No	No	No formal educational credential	Yes	Yes	Yes

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45-2099	Agricultural Workers, All Other	19,346	28,536	28,831	No	No	No	No formal educational credential	No	Yes	No
45-3031	Fishing and Hunting Workers	20,645	31,724	40,659	No	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	35,661	40,718	44,241	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	26,982	36,959	40,531	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	18,490	35,670	45,422	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	22,721	32,797	38,189	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	19,415	46,632	58,736	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	37,568	61,263	71,562	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	34,509	51,070	59,926	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	33,647	39,769	40,670	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2022	Stonemasons	32,384	38,918	42,883	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	26,468	40,398	48,277	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	18,421	32,089	41,397	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	23,636	39,360	51,267	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	25,742	35,228	40,236	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	25,830	38,652	44,959	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	19,690	39,994	47,869	No	No	No	No formal educational credential	No	Yes	Yes
47-2053	Terrazzo Workers and Finishers	33,476	44,074	49,565	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	25,521	33,921	38,184	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	26,312	36,959	39,793	No	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	33,132	49,840	59,375	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	29,568	41,218	47,329	No	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	27,697	40,218	47,895	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	18,608	40,462	49,584	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	29,210	46,637	52,809	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	26,765	41,584	50,037	No	No	No	High school diploma or equivalent	Yes	No	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	27,011	38,760	45,570	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	28,792	39,252	45,402	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	32,780	53,170	66,078	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	32,492	47,114	60,310	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	27,435	37,008	40,954	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	29,885	49,623	53,671	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	22,494	37,176	44,979	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	31,124	44,743	51,454	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	26,885	38,731	44,290	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	27,663	44,641	51,560	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	27,673	37,434	43,846	No	No	No	High school diploma or equivalent	Yes	No	No
47-2231	Solar Photovoltaic Installers	25,102	35,533	39,744	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	21,855	30,012	35,149	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	22,012	31,961	37,383	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	21,739	30,004	35,300	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	20,369	27,779	32,364	No	No	No	No formal educational credential	Yes	No	No
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	25,831	29,130	31,240	No	No	No	High school diploma or equivalent	Yes	No	No
47-3016	Helpers--Roofers	24,305	33,653	38,524	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	23,947	30,357	32,787	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	41,879	55,028	63,501	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	40,768	76,418	96,216	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	25,319	37,875	46,524	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	26,588	39,164	46,445	No	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	28,518	39,367	46,137	No	No	No	High school diploma or equivalent	Yes	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	33,702	47,380	54,327	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	25,378	37,658	40,659	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	27,150	38,952	47,353	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	33,820	44,546	50,421	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	24,541	53,343	68,950	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	25,781	40,590	47,055	No	No	No	High school diploma or equivalent	No	No	No
47-5041	Continuous Mining Machine Operators	35,720	56,846	67,818	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	35,720	56,846	67,818	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	30,180	36,900	39,164	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	33,820	44,546	50,421	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	23,321	33,752	39,469	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	29,235	37,699	42,272	No	No	No	High school diploma or equivalent	Yes	No	No
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	35,100	55,882	71,665	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	37,331	64,754	76,573	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	19,214	31,380	37,884	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	30,849	56,827	72,492	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	29,551	57,928	74,106	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	33,525	57,968	70,435	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	27,857	42,677	50,499	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	33,279	54,199	68,271	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 14 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	37,639	56,353	63,186	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	41,781	70,652	89,722	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	25,132	37,442	44,674	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	33,350	53,126	70,374	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	35,519	50,999	60,196	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	40,298	59,805	66,054	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	23,955	44,606	53,880	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	21,530	36,900	42,549	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	23,012	43,095	56,819	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	33,198	48,582	52,946	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	26,155	41,830	50,716	No	No	No	High school diploma or equivalent	Yes	No	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	34,877	48,261	55,876	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	35,995	55,203	62,613	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	20,142	55,413	72,297	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3052	Motorcycle Mechanics	25,250	36,290	42,716	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	19,162	28,464	36,089	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	21,993	29,609	33,683	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	26,932	47,262	59,690	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	19,145	29,103	35,350	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	23,941	39,675	46,672	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	27,439	39,835	49,868	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	29,034	44,327	51,971	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	26,057	39,911	47,715	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9041	Industrial Machinery Mechanics	35,933	56,431	64,124	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	27,185	36,784	44,652	No	No	No	High school diploma or equivalent	Yes	No	No
49-9044	Millwrights	31,646	49,378	60,891	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	23,567	33,407	37,894	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	33,466	58,647	76,251	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	30,032	45,284	51,474	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	19,139	40,876	54,111	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	29,210	46,866	57,297	No	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	23,370	34,755	39,616	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	21,589	43,109	53,540	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	37,766	55,980	64,157	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	25,307	37,722	44,368	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	44,320	72,571	88,167	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	19,237	30,347	36,694	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	33,397	49,555	50,332	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	33,341	37,495	39,469	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-9095	Manufactured Building and Mobile Home Installers	21,018	28,930	31,616	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	35,701	54,349	63,711	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	39,075	65,260	78,563	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	26,315	32,194	37,015	No	No	No	High school diploma or equivalent	Yes	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	23,685	37,526	43,869	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	37,835	62,221	73,739	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	18,962	40,659	52,536	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	18,470	35,277	49,220	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	20,787	33,307	38,929	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	25,200	29,855	31,321	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	27,561	35,622	41,101	No	No	No	High school diploma or equivalent	Yes	No	No
51-2051	Fiberglass Laminators and Fabricators	27,177	34,468	38,669	No	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters	26,991	34,706	40,010	No	No	No	High school diploma or equivalent	Yes	No	No
51-2090	Miscellaneous Assemblers and Fabricators	22,244	34,515	40,327	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	20,509	27,298	30,644	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	25,859	34,842	40,964	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	21,529	31,860	37,933	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	22,062	28,172	30,927	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	25,230	33,358	37,451	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	25,938	42,459	49,439	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-3093	Food Cooking Machine Operators and Tenders	19,169	27,661	32,118	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,861	26,932	30,209	No	No	No	No formal educational credential	Yes	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	34,736	49,447	59,510	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	26,047	35,178	38,927	No	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	26,224	36,084	42,204	No	No	No	High school diploma or equivalent	Yes	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,260	32,571	38,000	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	32,994	54,268	66,263	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	26,567	36,788	41,271	No	No	No	High school diploma or equivalent	Yes	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,721	37,520	44,113	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	33,289	43,847	49,761	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 14 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-4041	Machinists	28,193	43,410	51,268	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	30,229	41,781	48,590	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	25,850	40,807	48,915	No	No	No	High school diploma or equivalent	Yes	No	No
51-4061	Model Makers, Metal and Plastic	32,994	54,268	66,263	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	29,451	52,497	61,983	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	21,156	37,156	47,154	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	24,226	36,184	43,370	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,608	35,131	39,947	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	32,189	52,192	60,734	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	30,610	45,326	51,631	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	34,452	41,375	43,801	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	22,071	34,352	39,508	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	28,280	45,127	56,138	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	31,851	38,411	39,727	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,909	35,434	39,262	No	No	No	High school diploma or equivalent	Yes	No	No
51-4199	Metal Workers and Plastic Workers, All Other	20,969	33,732	38,347	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	25,859	40,605	40,474	No	No	No	Postsecondary nondegree award	No	Yes	No
51-5112	Printing Press Operators	19,545	33,347	41,542	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	20,645	31,380	37,816	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	20,010	24,933	27,080	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	18,844	24,079	27,336	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	18,429	22,980	24,671	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	19,493	30,504	36,713	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,765	29,383	35,454	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,861	28,084	33,456	No	No	No	No formal educational credential	Yes	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	25,478	38,883	47,697	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	25,387	30,613	34,814	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20,841	30,888	36,251	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18,765	26,027	29,638	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,743	44,526	69,314	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	37,510	67,818	80,797	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	18,529	29,137	30,996	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	27,373	48,340	50,047	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-6099	Textile, Apparel, and Furnishings Workers, All Other	21,700	32,612	38,563	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	26,592	41,935	50,699	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-7021	Furniture Finishers	19,592	39,821	54,747	No	No	No	High school diploma or equivalent	No	No	Yes
51-7031	Model Makers, Wood	29,451	52,497	61,983	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood	32,994	54,268	66,263	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	21,412	30,288	33,683	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	21,251	32,462	38,197	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	22,475	40,187	55,941	No	No	No	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	69,304	94,760	107,405	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	50,027	80,079	100,389	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	44,320	72,571	88,167	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	38,426	57,368	64,748	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	21,751	37,429	48,264	No	No	No	Postsecondary nondegree award	No	No	Yes
51-8091	Chemical Plant and System Operators	31,360	51,139	62,248	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
51-8092	Gas Plant Operators	32,571	47,193	56,689	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	29,914	50,480	58,755	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	38,563	58,952	63,144	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	26,332	44,005	55,656	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	20,846	29,051	31,251	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	23,518	35,454	40,846	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	22,691	33,023	37,422	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	25,037	35,702	40,084	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	20,664	34,883	41,574	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	24,469	33,540	41,231	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	31,976	38,366	42,044	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	22,652	32,433	37,333	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	25,021	43,896	50,776	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	41,617	54,348	69,735	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9081	Dental Laboratory Technicians	27,067	34,901	35,272	No	No	No	Postsecondary nondegree award	Yes	No	No
51-9082	Medical Appliance Technicians	25,171	45,412	53,363	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	20,426	30,798	36,244	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	20,891	30,340	33,217	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	25,840	33,457	39,659	No	No	No	High school diploma or equivalent	Yes	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	26,914	34,748	38,660	No	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians	27,936	41,151	48,246	No	No	No	High school diploma or equivalent	Yes	No	No

Workforce Region 14 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-9151	Photographic Process Workers and Processing Machine Operators	23,803	41,358	49,565	No	No	No	High school diploma or equivalent	No	No	Yes
51-9161	Computer Numerically Controlled Tool Operators	28,062	42,411	53,829	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9162	Computer Numerically Controlled Tool Programmers	30,339	49,266	56,572	Yes	No	No	Associate's degree	No	No	No
51-9191	Adhesive Bonding Machine Operators and Tenders	21,235	34,135	41,368	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	23,557	34,145	39,223	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	21,363	36,556	45,166	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	18,391	26,293	32,679	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	23,567	33,407	37,894	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	25,319	36,221	40,758	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	25,811	37,137	45,087	No	No	No	High school diploma or equivalent	Yes	No	No
51-9198	Helpers--Production Workers	22,016	30,058	34,155	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	21,628	34,282	38,278	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	34,244	62,632	77,747	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	34,295	53,645	64,681	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	96,610	226,057	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	46,607	97,656	146,217	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	68,399	120,689	149,570	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	25,014	45,884	59,444	No	No	Yes	Some college, no degree	No	Yes	Yes
53-2031	Flight Attendants	30,308	57,309	66,194	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	21,569	28,713	31,164	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,477	31,111	37,831	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	25,407	48,669	53,829	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	20,272	33,876	38,803	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	26,218	38,848	47,086	No	No	No	High school diploma or equivalent	Yes	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	20,914	30,292	34,191	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	21,146	30,655	34,195	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	52,694	66,165	72,886	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	53,176	66,814	76,054	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	34,204	55,882	66,804	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	53,176	66,814	76,054	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	22,032	41,515	58,509	No	No	No	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	28,507	54,465	71,095	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	23,459	40,492	47,980	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	22,019	52,214	75,243	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	19,661	43,218	55,055	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	32,374	72,216	88,462	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	25,279	39,301	48,256	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	18,965	24,238	24,267	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	21,132	26,927	30,317	No	No	No	No formal educational credential	Yes	No	No
53-6041	Traffic Technicians	35,455	48,124	55,795	Yes	No	No	Associate's degree	Yes	No	No
53-6051	Transportation Inspectors	51,788	91,001	120,522	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	22,135	29,143	31,050	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	22,189	32,669	38,278	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,690	33,427	40,098	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	43,580	67,366	77,762	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	33,594	47,410	55,046	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	26,549	40,895	42,982	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	26,659	37,456	45,064	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	19,472	28,748	33,047	No	No	No	No formal educational credential	No	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,511	30,427	34,856	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	19,690	31,951	38,189	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,232	23,948	25,783	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	20,828	27,450	30,785	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	34,568	64,167	77,146	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	19,975	40,079	47,744	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	24,679	39,154	48,108	No	No	No	High school diploma or equivalent	No	No	No
53-7081	Refuse and Recyclable Material Collectors	31,667	44,242	50,973	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,690	33,427	40,098	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	22,376	41,929	53,343	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 15 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
11-1011	Chief Executives	45,738	197,950	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	47,317	118,311	150,599	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	19,794	63,802	70,983	No	Yes	Yes	Bachelor's degree	No	No	No
11-2011	Advertising and Promotions Managers	57,070	111,621	149,753	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	63,023	145,382	181,977	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	58,601	146,760	185,777	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	51,200	106,282	131,710	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	55,738	105,642	127,171	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	91,076	153,831	181,088	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	71,691	144,487	176,527	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	56,561	104,865	127,821	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	65,960	115,418	139,497	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	56,058	90,453	110,114	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	84,440	114,540	127,528	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	72,448	126,678	156,328	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	66,295	115,198	133,045	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	36,369	78,189	82,893	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9021	Construction Managers	53,711	125,420	158,241	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	28,258	45,401	50,855	No	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	46,273	82,598	98,123	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9033	Education Administrators, Postsecondary	41,847	88,437	104,142	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9039	Education Administrators, All Other	46,485	76,067	95,855	Yes	Yes	Yes	Master's degree	No	No	Yes
11-9041	Architectural and Engineering Managers	94,413	143,927	164,914	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	33,013	55,006	66,225	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	45,333	86,613	95,252	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	37,493	71,730	78,121	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	49,607	114,686	139,756	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	59,760	97,916	118,058	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	77,166	96,920	105,856	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	40,646	77,746	70,677	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	47,054	75,597	88,740	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9161	Emergency Management Directors	56,257	81,076	96,292	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9171	Funeral Home Managers	41,456	80,620	98,647	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	53,919	100,714	126,599	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	33,574	84,192	101,245	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1020	Buyers and Purchasing Agents	38,145	69,294	85,768	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	40,716	67,325	81,728	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	51,375	67,649	77,637	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	35,998	72,169	90,456	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	39,119	66,302	79,763	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	37,867	64,432	74,556	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	36,369	78,189	82,893	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	18,309	46,444	74,493	No	No	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	38,153	79,489	106,954	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1111	Management Analysts	37,894	88,995	109,491	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	28,242	53,529	64,909	No	No	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	27,742	53,843	66,763	No	No	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	38,484	62,671	75,914	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	30,975	66,096	86,664	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	30,709	62,233	76,856	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	34,645	76,098	98,331	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	43,733	81,753	96,117	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	34,553	61,751	73,521	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	54,732	82,240	100,346	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	45,809	86,687	104,559	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	40,916	106,871	113,183	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	37,856	70,969	90,109	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	53,368	84,474	100,110	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2071	Credit Counselors	35,585	71,020	92,374	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2072	Loan Officers	42,661	71,842	86,045	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,987	59,552	92,071	No	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	25,313	54,293	62,991	No	Yes	No	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	42,805	72,926	85,595	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	53,900	91,637	105,926	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	50,258	97,210	123,142	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	69,153	102,893	124,597	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	48,627	89,749	110,978	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	33,089	53,519	64,620	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	51,923	107,112	133,098	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	52,267	85,517	105,268	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
15-1245	Database Administrators and Architects	59,655	107,685	131,048	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	53,534	84,614	107,478	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	57,786	102,774	123,714	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	44,447	80,907	96,394	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 15 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
15-1299	Computer Occupations, All Other	47,998	98,741	125,174	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2011	Actuaries	67,242	142,580	172,876	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	69,304	103,892	117,491	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	36,318	69,453	93,175	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2041	Statisticians	47,889	84,984	104,166	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	53,383	93,521	112,761	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	53,935	86,254	106,405	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	42,236	59,307	65,689	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1021	Cartographers and Photogrammetrists	42,509	60,210	69,790	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1022	Surveyors	43,924	78,828	101,211	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	52,545	89,478	123,262	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	43,031	79,380	98,155	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2031	Bioengineers and Biomedical Engineers	69,377	100,446	118,612	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	45,572	81,364	96,560	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2051	Civil Engineers	55,160	86,970	104,801	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	79,812	111,110	131,309	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	59,677	89,977	106,454	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	69,635	104,752	127,523	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	46,172	74,967	91,321	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	47,144	85,025	104,756	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
17-2112	Industrial Engineers	53,198	84,213	96,702	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2121	Marine Engineers and Naval Architects	54,942	71,339	80,764	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2131	Materials Engineers	43,923	91,621	126,382	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2141	Mechanical Engineers	47,781	91,634	111,725	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	72,335	116,251	142,298	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	84,704	106,834	120,669	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	72,807	158,140	194,431	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	55,433	108,727	136,568	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	41,412	56,240	63,246	Yes	Yes	No	Associate's degree	Yes	Yes	No
17-3012	Electrical and Electronics Drafters	27,243	59,766	69,934	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3013	Mechanical Drafters	32,902	49,714	58,169	Yes	No	No	Associate's degree	No	No	No
17-3019	Drafters, All Other	42,542	59,535	71,422	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	40,069	67,562	87,144	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	33,679	53,070	65,630	Yes	No	Yes	Associate's degree	No	No	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	37,373	64,640	76,807	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	32,659	52,290	60,684	Yes	No	No	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	29,385	44,063	48,998	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	34,653	52,917	64,140	Yes	No	Yes	Associate's degree	No	No	Yes
17-3027	Mechanical Engineering Technologists and Technicians	32,397	57,217	77,654	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	28,213	41,273	48,056	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	39,115	57,367	64,952	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	40,915	63,754	76,320	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	34,927	56,173	74,761	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	31,331	71,105	96,502	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1021	Biochemists and Biophysicists	69,182	127,518	175,044	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
19-1022	Microbiologists	34,360	61,639	79,417	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	31,498	55,111	61,811	Yes	Yes	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	34,836	73,560	92,065	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	33,289	68,458	85,560	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1032	Foresters	45,697	74,667	95,498	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1041	Epidemiologists	40,120	87,287	114,202	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	35,527	88,205	119,437	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1099	Life Scientists, All Other	49,614	102,642	128,728	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	84,300	143,843	163,326	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	84,300	143,843	163,326	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	58,253	97,407	114,490	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	39,052	59,040	67,326	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	48,876	101,550	132,054	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	35,369	72,600	94,509	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	56,982	98,860	138,503	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	43,892	79,802	112,510	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-2099	Physical Scientists, All Other	46,721	115,296	134,967	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	52,044	92,871	104,748	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	29,038	71,124	93,776	No	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	46,174	96,042	99,667	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	29,038	71,124	93,776	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	46,102	106,754	115,564	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	52,192	74,549	90,431	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	49,543	75,756	89,662	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3091	Anthropologists and Archeologists	32,384	54,347	67,670	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	62,986	82,716	95,744	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	21,758	61,478	91,247	No	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists	61,648	98,037	113,014	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	56,449	88,326	109,486	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	18,353	30,775	37,350	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	27,477	40,904	50,596	No	No	No	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	37,334	50,710	58,379	Yes	No	No	Associate's degree	Yes	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	29,888	47,953	52,916	No	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	18,864	41,404	59,947	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	69,304	94,760	107,405	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	32,891	40,826	46,794	Yes	No	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	30,721	46,258	55,311	No	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	33,891	55,273	65,674	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	26,849	53,345	62,260	No	No	No	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	31,318	68,365	89,660	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	34,882	57,689	69,287	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	34,560	53,145	61,950	Yes	No	No	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	32,251	35,926	38,372	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	22,014	36,528	41,823	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	27,993	45,094	55,857	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	27,062	33,329	36,466	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	32,207	44,622	54,466	Yes	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	32,768	51,283	61,387	Yes	No	No	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	25,899	44,025	52,113	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	34,352	51,926	65,663	Yes	No	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	31,380	55,582	73,997	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	29,763	39,303	43,599	No	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	25,146	37,041	41,138	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	28,103	45,245	57,373	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	27,574	42,696	49,839	No	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	19,223	52,294	63,647	No	No	No	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	23,588	40,358	56,175	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	19,316	42,804	56,748	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	61,908	121,124	150,397	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
23-1012	Judicial Law Clerks	29,835	50,529	57,161	No	No	No	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	38,229	100,930	123,601	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	25,132	70,140	99,218	No	Yes	Yes	Bachelor's degree	No	No	No
23-1023	Judges, Magistrate Judges, and Magistrates	143,734	184,777	168,561	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	33,953	50,141	56,520	Yes	No	No	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	35,641	50,909	57,710	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	25,725	66,364	67,084	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	58,549	107,424	126,337	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1021	Computer Science Teachers, Postsecondary	45,943	97,260	121,732	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	41,998	81,860	108,034	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	26,096	89,240	111,360	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	53,294	108,930	133,432	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	54,554	102,898	125,245	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	41,663	88,630	108,526	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	67,936	111,341	130,952	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	46,986	93,638	116,005	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	51,523	86,652	102,347	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	23,055	74,037	86,908	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	48,049	93,225	117,796	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	57,309	91,601	103,508	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	42,716	79,124	96,108	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	58,549	107,424	126,337	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1064	Geography Teachers, Postsecondary	51,680	86,022	101,324	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	52,143	92,694	104,433	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	41,328	80,295	95,803	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	42,352	79,951	97,486	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	43,444	82,795	109,845	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	56,551	114,785	122,460	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	63,251	91,267	96,504	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	41,771	67,346	79,921	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	43,188	69,875	82,352	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	39,114	88,079	95,902	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	55,301	149,697	198,406	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	36,290	73,565	86,593	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	32,876	97,506	111,528	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	40,935	71,351	84,310	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	30,760	75,542	104,640	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	46,573	84,635	109,078	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	28,694	81,958	94,248	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	44,428	92,143	108,349	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	41,771	67,346	79,921	Yes	Yes	Yes	Master's degree	No	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	32,836	66,145	80,216	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	34,147	53,922	63,886	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	22,349	44,176	56,334	No	No	No	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,549	29,053	31,221	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	34,081	56,362	63,802	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	32,620	56,600	71,370	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	38,203	60,072	74,730	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	29,491	58,096	74,204	No	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	38,563	60,546	72,649	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	42,942	64,187	73,033	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2051	Special Education Teachers, Preschool	31,538	61,205	77,855	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	40,276	62,927	75,995	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	29,912	54,324	61,905	No	Yes	No	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	31,329	52,238	63,634	Yes	No	No	Bachelor's degree	No	No	No
25-2059	Special Education Teachers, All Other	22,757	39,551	51,080	No	No	No	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	32,968	37,603	39,754	Yes	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	21,289	48,208	70,492	No	No	Yes	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	22,405	30,214	31,576	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	20,651	35,219	39,227	No	No	No	Bachelor's degree	No	No	No
25-4011	Archivists	26,893	42,854	49,919	No	No	No	Master's degree	No	No	No
25-4012	Curators	43,073	52,236	56,537	Yes	No	No	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	22,504	40,600	48,915	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	41,440	59,508	69,330	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	27,208	34,552	38,411	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	18,755	37,658	47,705	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	28,970	67,089	87,022	No	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	18,834	37,520	48,413	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	20,272	29,833	32,945	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	23,916	42,359	45,390	No	No	No	Bachelor's degree	No	No	No
27-1011	Art Directors	45,250	72,591	89,137	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1012	Craft Artists	18,047	32,256	38,731	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,913	46,662	62,475	No	No	No	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	37,710	64,895	80,287	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1019	Artists and Related Workers, All Other	19,932	87,589	106,914	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-1021	Commercial and Industrial Designers	47,165	67,636	77,853	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1022	Fashion Designers	31,872	61,570	71,203	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	21,285	27,980	30,390	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	30,567	51,779	59,346	No	No	No	Bachelor's degree	No	No	No
27-1025	Interior Designers	29,439	52,990	65,155	No	No	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	19,482	29,136	33,530	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	22,248	48,423	60,133	No	No	No	Bachelor's degree	No	No	No
27-1029	Designers, All Other	53,810	61,536	64,175	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-2011	Actors	20,238	37,170	49,941	No	No	No	Some college, no degree	No	No	No
27-2012	Producers and Directors	48,830	77,298	85,706	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-2021	Athletes and Sports Competitors	18,421	69,865	82,185	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	20,058	38,949	35,582	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	18,915	23,906	24,841	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	19,812	54,443	79,946	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	18,175	38,308	58,175	No	No	No	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	18,539	65,014	75,611	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,646	88,296	123,787	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,647	25,614	29,806	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	21,570	56,646	54,319	No	Yes	No	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	27,895	63,023	73,443	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	33,645	63,201	75,064	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	32,112	60,418	65,824	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	41,113	67,451	77,548	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	34,628	62,965	82,207	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	24,735	56,753	71,289	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	26,617	34,783	38,106	No	No	No	Postsecondary nondegree award	Yes	No	No
27-3099	Media and Communication Workers, All Other	18,834	44,231	55,046	No	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	26,760	42,640	45,910	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	28,274	50,321	63,289	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	23,232	55,606	63,872	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	21,497	32,359	35,518	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	46,110	58,926	62,826	Yes	Yes	No	Bachelor's degree	Yes	No	No
27-4032	Film and Video Editors	40,826	56,365	65,648	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	79,277	97,637	112,510	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1011	Chiropractors	56,955	92,305	98,486	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1021	Dentists, General	63,773	167,674	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	62,819	231,233	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1023	Orthodontists	88,128	178,027	204,674	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	78,986	211,434	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	56,354	172,507	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1031	Dietitians and Nutritionists	42,285	61,759	74,884	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	34,050	70,857	108,455	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	91,122	125,618	142,736	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1071	Physician Assistants	65,245	113,563	149,175	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	52,999	130,588	179,070	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1122	Occupational Therapists	68,147	86,288	97,415	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	54,371	85,174	99,195	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	56,797	83,483	96,866	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 15 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
29-1125	Recreational Therapists	40,244	59,910	74,318	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	47,409	61,718	69,642	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	52,856	76,557	93,163	Yes	Yes	Yes	Master's degree	Yes	No	Yes
29-1128	Exercise Physiologists	45,861	71,303	78,941	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	26,915	35,490	37,837	No	No	No	Bachelor's degree	No	No	No
29-1131	Veterinarians	43,742	87,836	106,929	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	49,178	71,486	80,981	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	133,668	173,934	179,257	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	21,550	66,450	97,437	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	69,134	97,810	111,924	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	58,002	73,208	81,798	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1211	Anesthesiologists	134,002	267,100	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	154,084	256,780	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	153,601	202,674	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1218	Obstetricians and Gynecologists	121,755	170,445	194,570	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1221	Pediatricians, General	100,339	160,552	185,724	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1223	Psychiatrists	46,140	325,776	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	22,015	205,832	*	No	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	36,510	179,809	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	54,189	70,152	79,023	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	21,323	66,263	79,882	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	27,027	48,720	62,768	No	No	No	Associate's degree	No	No	No
29-2031	Cardiovascular Technologists and Technicians	27,467	55,617	73,358	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2032	Diagnostic Medical Sonographers	27,353	64,612	80,566	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2033	Nuclear Medicine Technologists	60,047	81,857	94,428	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	38,851	59,464	71,231	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	39,419	64,531	77,357	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	20,663	36,327	41,307	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	20,379	29,402	31,823	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	26,363	35,262	39,454	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2053	Psychiatric Technicians	22,393	35,691	39,077	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	35,610	50,990	60,402	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	23,137	32,894	38,048	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	32,977	44,063	50,350	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	34,638	47,085	51,195	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	27,237	42,584	54,222	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2091	Orthotists and Prosthetists	37,568	72,643	84,478	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	51,714	56,935	62,030	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	26,930	44,946	57,476	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	35,518	60,155	91,631	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	58,539	79,410	91,533	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	33,604	66,976	84,233	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	19,498	23,860	25,362	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	22,524	29,676	32,332	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	22,709	32,064	36,201	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	25,161	29,540	31,488	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	52,894	67,080	77,058	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	19,178	27,897	31,734	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	53,231	65,256	74,566	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	22,093	29,098	32,861	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	19,090	30,331	34,916	No	No	No	Postsecondary nondegree award	No	No	No
31-9091	Dental Assistants	30,911	42,162	49,351	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	26,661	33,551	38,168	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9093	Medical Equipment Preparers	23,274	33,526	39,159	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	29,383	41,163	47,909	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9095	Pharmacy Aides	22,833	30,823	35,898	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	21,947	30,863	36,425	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	26,935	34,002	38,043	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9099	Healthcare Support Workers, All Other	28,759	42,971	50,505	No	No	No	High school diploma or equivalent	Yes	No	No
33-1011	First-Line Supervisors of Correctional Officers	33,801	47,144	48,620	Yes	No	No	Some college, no degree	Yes	Yes	No
33-1012	First-Line Supervisors of Police and Detectives	57,910	93,637	111,152	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	66,759	84,306	96,345	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	27,834	49,208	59,535	No	No	No	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	37,049	51,683	59,845	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	52,494	80,663	97,287	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	29,176	34,490	37,678	No	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	32,354	45,993	53,284	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-3012	Correctional Officers and Jailers	41,531	61,234	76,789	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	51,070	92,442	129,232	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	20,871	28,005	30,248	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	27,178	42,194	49,486	No	No	No	High school diploma or equivalent	Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	44,363	69,260	83,885	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	44,290	63,803	75,749	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	26,696	38,150	43,129	No	No	No	Postsecondary nondegree award	Yes	No	No

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33-9021	Private Detectives and Investigators	33,494	38,526	40,318	Yes	No	No	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	24,630	34,185	38,740	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	20,698	35,212	37,904	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	25,051	28,514	30,686	No	No	No	No formal educational credential	Yes	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	18,609	24,080	28,183	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	35,237	41,791	44,615	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	26,635	38,804	43,790	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	30,789	48,957	55,611	Yes	No	No	Associate's degree	No	No	No
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	21,648	36,168	43,693	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,953	22,122	23,766	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	21,847	29,462	32,805	No	No	No	No formal educational credential	Yes	Yes	No
35-2013	Cooks, Private Household	20,713	29,678	34,814	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	19,260	26,926	30,668	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	25,464	30,415	33,321	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2019	Cooks, All Other	21,323	30,062	35,355	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	20,862	25,790	28,307	No	No	No	No formal educational credential	Yes	No	No
35-3011	Bartenders	18,653	31,513	44,115	No	No	No	No formal educational credential	No	Yes	Yes
35-3023	Fast Food and Counter Workers	18,779	22,244	23,822	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,732	27,449	32,703	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	18,715	21,260	22,292	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,533	21,547	23,049	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	18,570	22,432	24,797	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,981	24,236	25,917	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	20,286	44,017	52,383	No	No	No	No formal educational credential	No	Yes	Yes
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	26,463	39,077	46,171	No	No	No	High school diploma or equivalent	No	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	23,860	43,380	53,318	No	No	No	Some college, no degree	No	No	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	21,185	38,526	54,708	No	No	No	High school diploma or equivalent	No	No	Yes
37-2012	Maids and Housekeeping Cleaners	18,950	23,082	24,814	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	21,235	35,916	51,897	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	37,180	53,871	62,217	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
37-3011	Landscaping and Groundskeeping Workers	21,240	29,802	34,676	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	27,072	38,664	44,004	No	No	No	High school diploma or equivalent	Yes	No	No
37-3013	Tree Trimmers and Pruners	21,875	35,542	44,733	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	25,761	35,267	39,006	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	35,916	55,144	65,053	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	28,816	44,038	50,994	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	22,739	37,223	41,062	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	18,942	24,850	29,432	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	18,135	24,689	27,857	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	19,385	27,109	30,613	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,818	34,106	35,228	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	18,765	29,442	32,266	No	No	No	No formal educational credential	No	Yes	No
39-3031	Ushers, Lobby Attendants, and Ticket Takers	18,952	25,668	28,780	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,531	22,815	24,919	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	25,771	55,400	72,187	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	19,149	27,218	31,026	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,647	25,614	29,806	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	33,358	56,010	57,073	Yes	Yes	No	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	20,959	29,491	31,164	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	31,164	54,012	60,330	Yes	Yes	No	Associate's degree	No	No	No
39-5011	Barbers	21,560	31,301	37,245	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,146	26,851	32,100	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	35,828	69,540	80,236	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	19,956	26,608	29,304	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	18,952	25,909	29,894	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	25,750	32,208	35,993	No	No	No	Postsecondary nondegree award	Yes	No	No
39-6011	Baggage Porters and Bellhops	18,532	25,829	27,794	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	22,477	29,130	31,592	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	22,008	34,382	36,907	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,571	24,706	26,535	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	20,248	37,235	48,295	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	19,473	31,064	34,260	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	24,426	37,221	41,369	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	20,319	31,512	34,804	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	27,315	50,524	58,071	No	No	No	Some college, no degree	No	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	47,362	94,222	118,021	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,155	23,327	24,977	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,686	28,162	34,814	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	19,455	29,158	32,859	No	No	No	No formal educational credential	No	Yes	No
41-2022	Parts Salespersons	20,910	35,492	41,205	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,756	30,068	32,097	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	23,501	65,193	95,442	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	31,885	68,515	82,280	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	33,548	73,614	81,935	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	35,184	54,108	54,119	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes

Workforce Region 15 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	24,297	67,657	81,191	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	31,421	77,596	84,371	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	28,919	70,291	84,085	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,750	42,154	50,523	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models	20,369	38,613	48,561	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	26,312	65,752	68,448	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	19,253	63,189	78,117	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	88,108	146,562	174,786	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	22,810	30,471	32,328	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	18,499	27,129	29,471	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,507	32,061	37,761	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	34,738	62,568	75,617	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	19,576	27,498	31,657	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	23,744	30,908	32,108	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	29,058	40,216	47,547	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	29,010	39,859	45,352	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	28,993	38,447	42,121	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	27,901	44,039	49,670	No	No	No	Some college, no degree	Yes	Yes	No
43-3041	Gambling Cage Workers	19,523	27,513	31,095	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	32,230	43,956	50,831	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	29,987	41,617	48,668	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	30,126	39,418	43,277	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	32,964	42,117	47,873	Yes	No	No	Some college, no degree	Yes	No	No
43-4011	Brokerage Clerks	36,439	50,503	59,239	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	28,812	41,200	47,911	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	31,279	40,518	45,917	Yes	No	No	Some college, no degree	Yes	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	33,107	44,686	49,854	Yes	No	No	Some college, no degree	Yes	Yes	No
43-4051	Customer Service Representatives	25,620	37,975	43,214	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	25,767	34,274	39,642	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	20,035	34,385	40,270	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	19,029	25,626	28,894	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	18,466	39,689	44,969	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	19,615	26,049	29,799	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	29,950	45,098	51,271	No	No	No	High school diploma or equivalent	Yes	No	No
43-4141	New Accounts Clerks	28,750	34,995	39,077	No	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	26,714	35,552	40,627	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	25,177	40,887	48,917	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	21,151	30,422	34,875	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	22,252	43,334	61,138	No	No	No	High school diploma or equivalent	No	No	Yes
43-4199	Information and Record Clerks, All Other	31,215	43,951	50,597	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5011	Cargo and Freight Agents	27,599	45,905	52,951	No	No	No	High school diploma or equivalent	Yes	Yes	No
43-5021	Couriers and Messengers	26,450	44,130	51,499	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	32,715	40,080	44,254	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	25,794	37,422	41,922	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	25,901	31,452	34,800	No	No	No	High school diploma or equivalent	No	No	No
43-5051	Postal Service Clerks	37,766	54,882	62,997	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,606	54,214	65,037	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	34,441	51,879	62,986	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	28,915	52,133	60,662	No	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	22,887	35,546	41,945	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	27,924	37,333	41,285	No	No	No	High school diploma or equivalent	Yes	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	24,447	53,882	66,968	No	No	Yes	Some college, no degree	No	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	33,787	49,656	52,137	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	25,786	38,407	45,526	No	No	No	Some college, no degree	No	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	22,497	37,405	45,505	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	19,309	29,651	34,203	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	25,875	38,034	46,487	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	28,310	52,074	56,905	No	No	No	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	28,047	40,008	46,137	No	No	No	High school diploma or equivalent	Yes	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	21,043	29,985	33,841	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	21,977	38,442	43,816	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	21,838	32,283	38,913	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	26,185	41,653	55,223	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	32,276	54,426	66,686	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	28,967	48,146	57,492	No	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	27,247	38,487	46,248	No	No	No	High school diploma or equivalent	Yes	No	No
45-2011	Agricultural Inspectors	20,182	36,713	46,445	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	21,520	39,134	44,989	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	25,230	33,358	37,451	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	22,809	33,014	37,737	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	20,027	26,901	30,048	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	20,645	31,724	40,659	No	No	No	No formal educational credential	Yes	Yes	Yes

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May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
45-2099	Agricultural Workers, All Other	19,346	28,536	28,831	No	No	No	No formal educational credential	No	No	No
45-3031	Fishing and Hunting Workers	20,645	31,724	40,659	No	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	35,661	40,718	44,241	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	26,982	36,959	40,531	No	No	No	High school diploma or equivalent	No	No	No
45-4022	Logging Equipment Operators	18,490	35,670	45,422	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	22,721	32,797	38,189	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	19,415	46,632	58,736	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	42,139	60,782	70,318	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	34,509	51,070	59,926	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	35,763	46,461	51,591	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2022	Stonemasons	32,384	38,918	42,883	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	26,881	39,331	46,344	No	No	No	Postsecondary nondegree award	Yes	No	No
47-2041	Carpet Installers	18,421	32,089	41,397	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	23,636	39,360	51,267	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	25,742	35,228	40,236	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	18,586	32,774	39,985	No	No	No	No formal educational credential	No	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	22,066	33,921	40,055	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	33,476	44,074	49,565	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2061	Construction Laborers	22,698	32,397	37,545	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	26,561	36,616	41,350	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	36,432	54,764	62,107	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	30,183	39,776	44,682	No	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	27,785	40,234	47,657	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	18,608	40,462	49,584	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	26,300	45,788	52,355	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	26,350	39,955	47,487	No	No	No	High school diploma or equivalent	No	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	28,789	40,573	47,537	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	28,792	39,252	45,402	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	33,440	46,754	57,399	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	32,492	47,114	60,310	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	29,765	40,418	45,731	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	28,523	42,815	51,029	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	34,788	43,362	48,550	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	31,124	44,743	51,454	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2181	Roofers	22,438	33,641	39,741	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	27,954	40,899	48,095	No	No	No	High school diploma or equivalent	Yes	No	No
47-2221	Structural Iron and Steel Workers	26,923	43,464	51,355	No	No	No	High school diploma or equivalent	No	No	No
47-2231	Solar Photovoltaic Installers	25,102	35,533	39,744	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	22,817	31,123	36,529	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	20,624	28,707	36,035	No	No	No	No formal educational credential	Yes	No	Yes
47-3013	Helpers--Electricians	23,309	32,583	37,389	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	20,369	27,779	32,364	No	No	No	No formal educational credential	Yes	No	No
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	23,334	30,222	34,077	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	24,305	33,653	38,524	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	18,948	26,671	29,818	No	No	No	No formal educational credential	No	No	No
47-4011	Construction and Building Inspectors	46,928	63,735	73,935	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	40,768	76,418	96,216	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	25,319	37,875	46,524	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	27,675	44,619	53,080	No	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	27,393	37,832	43,737	No	No	No	High school diploma or equivalent	Yes	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	33,702	47,380	54,327	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	26,870	35,102	39,450	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	26,923	38,288	43,316	No	No	No	High school diploma or equivalent	No	No	No
47-5011	Derrick Operators, Oil and Gas	23,321	33,752	39,469	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	33,820	44,546	50,421	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	24,541	53,343	68,950	No	No	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	21,522	31,711	38,158	No	No	No	High school diploma or equivalent	No	No	No
47-5041	Continuous Mining Machine Operators	35,720	56,846	67,818	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	35,720	56,846	67,818	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	30,180	36,900	39,164	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	33,820	44,546	50,421	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	22,332	36,234	53,539	No	No	No	High school diploma or equivalent	No	No	Yes
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	43,083	66,396	80,291	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	35,100	55,882	71,665	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	38,444	65,355	78,777	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	19,408	33,251	39,263	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	30,849	56,827	72,492	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	29,253	48,222	60,851	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	33,525	57,968	70,435	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	27,857	42,677	50,499	No	No	No	High school diploma or equivalent	Yes	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	33,279	54,199	68,271	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 15 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	43,936	59,242	68,149	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	41,781	70,652	89,722	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	27,621	34,129	38,280	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2097	Audiovisual Equipment Installers and Repairers	23,882	43,296	54,957	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	28,744	46,814	56,981	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	30,089	70,539	97,256	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-3021	Automotive Body and Related Repairers	33,724	51,178	67,223	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	21,530	36,900	42,549	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	25,445	44,428	55,970	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	33,689	52,183	62,169	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	26,155	41,830	50,716	No	No	No	High school diploma or equivalent	No	No	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	35,834	50,577	59,290	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	35,995	55,203	62,613	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	27,818	49,299	62,298	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	25,250	36,290	42,716	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	27,105	36,029	41,404	No	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	21,993	29,609	33,683	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	26,932	47,262	59,690	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-3093	Tire Repairers and Changers	33,657	37,229	39,705	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-9011	Mechanical Door Repairers	23,941	39,675	46,672	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	33,186	46,418	54,400	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	26,045	48,091	58,697	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	19,603	31,489	37,402	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	37,671	55,516	65,370	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	25,425	38,650	45,026	No	No	No	High school diploma or equivalent	No	No	No
49-9044	Millwrights	31,646	49,378	60,891	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	23,567	33,407	37,894	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	35,637	60,629	78,803	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	28,161	43,342	49,979	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	19,139	40,876	54,111	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	30,799	49,828	58,374	Yes	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	23,370	34,755	39,616	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	21,589	43,109	53,540	No	No	No	High school diploma or equivalent	No	No	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	37,766	55,980	64,157	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	25,616	38,779	46,701	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	44,320	72,571	88,167	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	26,143	39,366	46,697	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	33,397	49,555	50,332	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	33,255	38,945	40,087	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-9095	Manufactured Building and Mobile Home Installers	21,018	28,930	31,616	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	32,089	48,443	58,647	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	39,075	65,260	78,563	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	20,428	27,133	30,783	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	25,947	43,896	54,308	No	No	No	High school diploma or equivalent	No	No	Yes
51-1011	First-Line Supervisors of Production and Operating Workers	33,366	61,913	76,338	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	18,962	40,659	52,536	No	No	No	Postsecondary nondegree award	No	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	18,470	35,277	49,220	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	19,797	32,207	37,985	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	25,200	29,855	31,321	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	22,541	32,160	37,588	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	25,584	35,444	39,459	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	21,384	34,084	39,939	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	21,062	28,864	33,070	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	27,062	35,875	40,581	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	18,885	29,182	36,175	No	No	No	No formal educational credential	No	Yes	Yes
51-3023	Slaughterers and Meat Packers	22,062	28,172	30,927	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	25,230	33,358	37,451	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	19,804	29,924	32,987	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	20,832	25,214	27,427	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	21,587	29,390	34,789	No	No	No	No formal educational credential	Yes	Yes	Yes
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	25,407	35,070	39,823	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	26,047	35,178	38,927	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	26,224	36,084	42,204	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,030	31,870	38,060	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	32,994	54,268	66,263	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,468	34,889	40,129	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,721	37,520	44,113	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	33,289	43,847	49,761	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

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51-4041	Machinists	24,444	37,951	46,522	No	No	No	Postsecondary nondegree award	No	No	No
51-4051	Metal-Refining Furnace Operators and Tenders	30,229	41,781	48,590	No	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	25,850	40,807	48,915	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	32,994	54,268	66,263	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	29,451	52,497	61,983	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	21,156	37,156	47,154	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	22,354	35,878	44,366	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	26,804	39,765	40,682	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	27,334	53,499	64,415	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	30,377	45,056	51,662	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	26,257	30,041	31,640	No	No	No	Postsecondary nondegree award	Yes	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	22,071	34,352	39,508	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	28,280	45,127	56,138	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	28,143	38,327	41,486	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,909	35,434	39,262	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	20,969	33,732	38,347	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	22,150	36,946	45,071	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	22,608	35,936	42,557	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	20,687	29,734	35,307	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	20,631	24,811	26,365	No	No	No	No formal educational credential	Yes	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	18,982	23,908	27,031	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	20,067	27,702	31,024	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	19,493	30,504	36,713	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,765	29,383	35,454	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,861	28,084	33,456	No	No	No	No formal educational credential	Yes	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	21,529	33,041	40,459	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	25,387	30,613	34,814	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20,841	30,888	36,251	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18,765	26,027	29,638	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,743	44,526	69,314	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	37,510	67,818	80,797	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	18,529	29,137	30,996	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	28,192	38,561	43,887	No	No	No	High school diploma or equivalent	Yes	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	18,411	27,119	33,132	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	27,444	36,189	40,071	No	No	No	High school diploma or equivalent	Yes	No	No
51-7021	Furniture Finishers	27,459	39,462	48,739	No	No	No	High school diploma or equivalent	Yes	No	No
51-7031	Model Makers, Wood	29,451	52,497	61,983	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood	32,994	54,268	66,263	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	21,412	30,288	33,683	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	20,900	32,413	38,504	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	22,475	40,187	55,941	No	No	No	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	69,304	94,760	107,405	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	50,027	80,079	100,389	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	44,515	73,162	95,153	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	38,426	57,368	64,748	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	31,682	51,124	62,437	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	31,360	51,139	62,248	Yes	No	No	Associate's degree	No	No	No
51-8092	Gas Plant Operators	32,571	47,193	56,689	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	29,914	50,480	58,755	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	34,141	49,438	61,813	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	26,332	44,005	55,656	No	No	No	High school diploma or equivalent	No	No	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	27,494	41,981	47,744	No	No	No	High school diploma or equivalent	Yes	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	23,518	35,454	40,846	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	22,691	33,023	37,422	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	26,948	36,014	40,983	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	19,461	36,389	46,969	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	29,052	41,303	48,567	No	No	No	High school diploma or equivalent	Yes	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,076	30,299	33,221	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	22,652	32,433	37,333	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	23,272	44,860	57,244	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	33,674	40,941	40,352	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9081	Dental Laboratory Technicians	18,534	35,343	43,439	No	No	No	Postsecondary nondegree award	No	No	No
51-9082	Medical Appliance Technicians	33,325	57,400	72,266	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	21,717	33,732	38,071	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	21,393	32,554	39,143	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	19,405	32,325	41,683	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	28,554	40,177	40,854	No	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians	27,936	41,151	48,246	No	No	No	High school diploma or equivalent	Yes	No	No

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51-9151	Photographic Process Workers and Processing Machine Operators	23,803	41,358	49,565	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	26,675	38,541	40,158	No	No	No	Postsecondary nondegree award	Yes	No	No
51-9162	Computer Numerically Controlled Tool Programmers	34,932	53,570	62,859	Yes	No	No	Associate's degree	No	No	No
51-9191	Adhesive Bonding Machine Operators and Tenders	21,235	34,135	41,368	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	23,557	34,145	39,223	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	21,363	36,556	45,166	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	18,391	26,293	32,679	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	27,080	33,889	37,851	No	No	No	High school diploma or equivalent	Yes	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	25,319	36,221	40,758	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	25,811	37,137	45,087	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	19,731	27,986	31,613	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	23,950	39,969	40,899	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	34,244	62,632	77,747	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	32,167	56,313	70,638	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	96,610	226,057	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	51,302	83,306	99,180	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	68,399	120,689	149,570	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	25,014	45,884	59,444	No	No	No	Some college, no degree	No	Yes	Yes
53-2031	Flight Attendants	30,308	57,309	66,194	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	21,569	28,713	31,164	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,528	38,030	49,644	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	20,157	41,568	51,579	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	23,693	40,092	48,166	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	26,962	31,456	34,189	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	20,865	30,361	35,187	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	21,581	32,839	41,813	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	52,694	66,165	72,886	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	53,176	66,814	76,054	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	34,204	55,882	66,804	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	53,176	66,814	76,054	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	22,032	41,515	58,509	No	No	No	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	28,507	54,465	71,095	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	20,443	36,139	43,321	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	39,615	90,530	121,429	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	19,661	43,218	55,055	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	32,650	73,099	90,596	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	25,279	39,301	48,256	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	18,915	23,416	27,305	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	21,016	27,532	31,523	No	No	No	No formal educational credential	Yes	No	No
53-6041	Traffic Technicians	22,644	45,764	58,751	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	81,952	111,428	127,724	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	18,499	24,197	26,086	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	22,070	33,273	39,931	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,690	33,427	40,098	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	39,337	65,519	75,565	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	33,594	47,410	55,046	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	26,549	40,895	42,982	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	26,429	39,315	45,940	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	19,920	26,235	28,531	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,985	31,702	35,639	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	19,690	31,951	38,189	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,366	25,304	26,085	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	21,450	29,097	32,384	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	34,568	64,167	77,146	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	19,975	40,079	47,744	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	24,679	39,154	48,108	No	No	No	High school diploma or equivalent	No	No	No
53-7081	Refuse and Recyclable Material Collectors	29,134	41,601	48,738	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,690	33,427	40,098	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	22,376	41,929	53,343	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 16 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
11-1011	Chief Executives	55,371	136,896	174,411	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1021	General and Operations Managers	43,189	96,980	117,483	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	18,910	85,965	107,765	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2011	Advertising and Promotions Managers	47,754	108,900	126,465	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	73,893	188,533	166,111	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	44,486	88,511	108,187	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	48,865	134,215	127,571	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	40,758	88,365	111,394	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	67,622	115,638	143,213	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	68,406	110,445	141,328	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	49,070	118,169	162,166	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	47,547	98,232	137,884	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	53,367	73,104	83,165	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
11-3111	Compensation and Benefits Managers	64,876	104,866	124,261	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	66,959	115,967	143,341	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	57,368	107,444	131,149	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	36,369	78,189	82,893	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
11-9021	Construction Managers	54,833	130,811	129,980	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	33,801	41,135	46,799	Yes	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	53,119	80,891	97,154	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	50,195	93,773	104,695	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	55,813	73,350	85,663	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9041	Architectural and Engineering Managers	65,990	135,659	155,319	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	32,630	50,010	61,092	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	45,333	86,613	95,252	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	33,604	64,768	74,991	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	61,159	110,139	121,678	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	68,331	95,088	105,374	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	70,603	86,977	95,951	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	32,519	43,780	52,918	Yes	No	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	40,320	60,988	73,578	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9161	Emergency Management Directors	47,606	81,496	98,686	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	46,618	91,373	107,299	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	56,719	99,850	124,899	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	33,574	84,192	101,245	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	32,046	56,851	68,561	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	45,989	74,001	86,946	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	48,256	67,631	79,301	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	35,076	58,329	69,646	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	32,407	56,577	63,988	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	36,107	58,858	71,568	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	18,627	57,968	78,603	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	34,724	56,957	69,166	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	48,431	103,326	113,619	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	25,857	40,315	48,431	No	No	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	50,927	61,228	66,010	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	34,549	49,175	53,629	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	28,509	55,379	70,609	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	25,918	54,348	71,284	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	19,579	64,964	84,892	No	Yes	Yes	Bachelor's degree	No	No	Yes
13-2011	Accountants and Auditors	23,447	61,347	78,942	No	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	21,898	47,296	59,558	No	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	41,905	74,479	92,833	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2041	Credit Analysts	83,867	98,732	103,191	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	43,383	75,214	98,288	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2053	Insurance Underwriters	34,007	68,999	87,675	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2061	Financial Examiners	45,324	82,047	98,952	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	33,358	42,915	47,131	Yes	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	45,432	89,404	109,031	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,322	39,132	45,819	Yes	No	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	18,952	46,347	60,093	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	18,611	53,648	80,152	No	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	44,779	73,667	85,956	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	51,021	93,668	118,770	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	71,902	118,052	137,909	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	47,161	67,116	77,917	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	32,574	45,967	50,333	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	59,670	106,490	129,604	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	43,830	70,126	85,209	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
15-1245	Database Administrators and Architects	56,341	104,170	103,882	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	48,430	74,115	85,849	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	52,712	103,363	132,872	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	29,868	53,904	71,611	Yes	Yes	Yes	Associate's degree	No	Yes	Yes

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15-1299	Computer Occupations, All Other	41,842	58,006	52,967	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-2011	Actuaries	48,649	114,903	141,697	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	69,304	103,892	117,491	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	34,495	64,048	91,449	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-2041	Statisticians	29,038	71,124	93,776	Yes	Yes	Yes	Master's degree	No	Yes	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	50,775	91,444	116,556	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	45,943	82,381	100,074	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	42,234	71,124	89,525	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1021	Cartographers and Photogrammetrists	43,247	66,785	79,331	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	29,915	69,920	83,271	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	65,693	107,788	128,482	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	43,031	79,380	98,155	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	61,343	89,673	107,661	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	49,240	96,128	121,555	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	55,539	89,227	102,533	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	62,573	100,969	122,371	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	69,851	78,621	84,801	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	65,368	100,713	117,491	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	51,602	79,645	96,755	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	46,308	82,185	101,914	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	58,844	98,502	120,221	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	47,695	79,026	94,475	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	50,145	94,632	115,336	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	40,877	78,851	90,834	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	72,335	116,251	142,298	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	84,704	106,834	120,669	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	72,807	158,140	194,431	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	35,314	61,340	79,645	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-3011	Architectural and Civil Drafters	35,503	54,357	63,105	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	23,016	51,415	63,813	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3013	Mechanical Drafters	34,942	59,749	73,230	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	33,014	54,308	62,613	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	40,069	67,562	87,144	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	30,416	51,188	63,695	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	33,614	42,113	41,068	Yes	No	No	Associate's degree	No	No	No
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	32,659	52,290	60,684	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	26,716	43,031	51,513	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	33,791	53,943	64,049	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	30,888	54,445	70,189	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	27,362	40,561	51,285	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	36,654	53,183	62,272	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	40,915	63,754	76,320	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	31,587	57,240	72,039	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	31,331	71,105	96,502	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1021	Biochemists and Biophysicists	43,395	78,613	89,525	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	35,631	61,806	75,454	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	31,911	52,251	58,804	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	37,481	70,121	90,598	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1031	Conservation Scientists	33,289	68,458	85,560	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1032	Foresters	45,697	74,667	95,498	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1041	Epidemiologists	32,384	54,347	67,670	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	40,787	86,524	102,652	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	49,614	102,642	128,728	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	84,300	143,843	163,326	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	84,300	143,843	163,326	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	58,253	97,407	114,490	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	35,700	63,911	78,544	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	48,876	101,550	132,054	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	33,851	49,793	49,710	Yes	Yes	No	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	51,031	89,102	113,201	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	46,160	94,219	110,721	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	46,721	115,296	134,967	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	52,044	92,871	104,748	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	29,038	71,124	93,776	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3031	Clinical, Counseling, and School Psychologists	50,809	70,409	88,409	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	29,038	71,124	93,776	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	45,373	96,374	113,712	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	52,192	74,549	90,431	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3051	Urban and Regional Planners	44,638	62,374	70,868	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3091	Anthropologists and Archeologists	32,384	54,347	67,670	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	24,571	57,653	84,664	No	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	53,796	81,693	96,512	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	18,982	35,897	43,474	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	27,346	43,769	54,357	No	No	Yes	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	27,113	40,542	49,993	No	No	No	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	25,742	45,924	52,497	No	Yes	Yes	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	25,899	45,816	55,478	No	Yes	Yes	Associate's degree	No	No	Yes
19-4051	Nuclear Technicians	69,304	94,760	107,405	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	26,529	52,930	61,373	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	30,721	46,258	55,311	Yes	Yes	Yes	Associate's degree	No	No	Yes
19-4092	Forensic Science Technicians	34,893	50,339	59,291	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	20,674	47,360	59,601	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	34,448	61,320	83,619	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	26,598	49,447	64,108	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	30,731	53,323	63,465	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	29,481	41,781	49,161	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	22,126	34,055	41,919	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	25,345	38,908	45,604	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	23,449	35,720	39,793	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	28,273	38,959	42,995	Yes	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	41,317	60,335	72,387	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	26,424	37,719	35,167	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	35,567	55,668	79,283	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	24,629	41,702	48,340	No	No	No	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	23,215	36,855	44,096	No	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	23,146	34,167	39,652	No	No	No	Some college, no degree	Yes	No	No
21-1094	Community Health Workers	25,909	41,319	48,679	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	28,126	42,104	52,391	Yes	No	Yes	Bachelor's degree	No	No	No
21-2011	Clergy	29,473	44,798	49,329	Yes	Yes	No	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	28,581	45,023	57,210	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	18,873	33,883	42,732	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	52,332	81,384	92,463	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	29,835	50,529	57,161	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	38,229	100,930	123,601	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	25,132	70,140	99,218	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	143,734	184,777	168,561	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	29,374	39,050	43,358	Yes	No	No	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	33,191	51,700	60,448	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	23,191	71,429	131,911	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	58,549	107,424	126,337	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	45,943	97,260	121,732	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	41,998	81,860	108,034	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	26,096	89,240	111,360	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	53,294	108,930	133,432	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	54,554	102,898	125,245	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	41,663	88,630	108,526	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	67,936	111,341	130,952	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	46,986	93,638	116,005	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	51,523	86,652	102,347	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	23,055	74,037	86,908	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	48,049	93,225	117,796	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	57,309	91,601	103,508	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	42,716	79,124	96,108	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	58,549	107,424	126,337	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	51,680	86,022	101,324	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	52,143	92,694	104,433	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	41,328	80,295	95,803	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	42,352	79,951	97,486	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	43,444	82,795	109,845	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	56,551	114,785	122,460	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	56,551	114,785	122,460	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	21,694	40,302	54,787	No	No	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	43,188	69,875	82,352	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	39,114	88,079	95,902	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	55,301	149,697	198,406	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	36,290	73,565	86,593	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	32,876	97,506	111,528	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	40,935	71,351	84,310	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	30,760	75,542	104,640	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	46,573	84,635	109,078	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	28,694	81,958	94,248	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	44,428	92,143	108,349	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	32,836	66,145	80,216	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	20,517	35,184	40,423	No	No	No	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	22,583	54,986	69,117	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	19,142	24,574	27,797	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	35,237	56,994	68,015	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	36,509	52,499	61,585	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	41,071	51,499	58,414	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	29,491	58,096	74,204	Yes	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	37,635	54,777	63,676	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	42,942	64,187	73,033	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	31,538	61,205	77,855	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	40,276	62,927	75,995	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2057	Special Education Teachers, Middle School	40,364	58,677	68,871	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	41,112	62,052	74,332	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	27,572	51,001	62,002	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	21,762	29,823	31,681	No	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	21,528	40,087	49,569	No	No	No	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	18,298	46,554	65,686	No	Yes	Yes	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	21,422	49,779	68,201	No	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	26,893	42,854	49,919	No	No	No	Master's degree	No	No	No
25-4012	Curators	28,477	54,317	61,825	Yes	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	22,504	40,600	48,915	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	35,799	50,939	58,466	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	25,112	36,467	40,403	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	18,961	39,885	55,380	No	No	Yes	Master's degree	No	No	No
25-9031	Instructional Coordinators	36,695	60,877	71,392	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	18,834	37,520	48,413	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	20,030	31,449	37,806	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	34,893	50,495	60,985	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	46,140	94,308	101,766	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	18,047	32,256	38,731	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,913	46,662	62,475	No	Yes	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	41,998	64,758	76,969	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	29,894	84,330	103,095	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	39,242	66,509	77,658	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	31,872	61,570	71,203	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	21,255	31,301	36,123	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	32,380	42,071	45,048	Yes	No	No	Bachelor's degree	No	No	No
27-1025	Interior Designers	24,098	52,458	62,248	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	18,877	29,542	31,374	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	22,248	48,423	60,133	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	31,587	57,771	66,263	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	21,081	43,534	48,426	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	30,349	66,170	81,117	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	18,421	69,865	82,185	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	19,657	38,769	47,014	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	18,161	19,326	19,460	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	19,812	54,443	79,946	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	18,175	38,308	58,175	No	No	Yes	Some college, no degree	No	Yes	Yes
27-2041	Music Directors and Composers	18,539	65,014	75,611	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,221	29,120	19,906	No	No	No	Some college, no degree	No	No	No
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,647	25,614	29,806	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	19,592	58,608	72,020	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	28,339	62,376	72,354	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	25,672	48,997	60,137	No	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	24,236	54,603	63,823	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	28,230	51,227	72,753	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	27,966	67,139	70,248	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	22,947	53,766	68,782	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	19,080	50,332	82,716	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	18,834	44,231	55,046	No	No	Yes	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	19,549	46,513	58,847	No	Yes	Yes	Associate's degree	No	No	Yes
27-4012	Broadcast Technicians	21,707	45,983	56,138	No	Yes	Yes	Associate's degree	No	No	Yes
27-4014	Sound Engineering Technicians	23,232	55,606	63,872	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	18,327	23,448	27,219	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	23,046	49,063	61,009	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	31,370	53,117	64,000	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	24,335	79,961	103,813	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	34,273	83,395	94,357	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	103,886	142,723	160,137	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	62,819	231,233	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	88,128	178,027	204,674	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	78,986	211,434	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	56,354	172,507	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	45,277	70,465	91,682	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
29-1041	Optometrists	44,497	104,748	131,936	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	104,198	124,950	145,438	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
29-1071	Physician Assistants	69,488	109,512	127,692	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	52,999	130,588	179,070	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	52,233	79,008	96,305	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	44,603	82,032	100,648	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	63,229	108,221	136,179	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	27,726	43,583	50,842	No	No	No	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	45,668	59,188	65,023	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	21,389	50,641	66,019	No	Yes	Yes	Master's degree	No	No	No
29-1128	Exercise Physiologists	34,962	53,284	65,427	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	31,252	50,696	59,336	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	57,929	110,878	123,995	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	52,852	69,716	78,749	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	134,763	150,553	164,017	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	21,550	66,450	97,437	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	40,129	83,982	101,945	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-1181	Audiologists	43,513	72,581	81,958	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	134,002	267,100	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	89,538	204,198	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	50,165	206,337	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	122,726	241,643	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	57,889	155,739	194,066	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	46,140	198,308	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	81,062	231,188	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	51,178	240,915	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	70,217	88,367	99,022	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	21,323	66,263	79,882	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	26,391	45,285	60,952	No	Yes	Yes	Associate's degree	No	No	Yes
29-2031	Cardiovascular Technologists and Technicians	25,693	48,758	66,854	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2032	Diagnostic Medical Sonographers	52,982	64,594	74,027	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	56,718	75,011	84,605	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	44,548	64,645	76,221	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	46,406	65,830	76,851	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	22,540	35,971	40,702	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	20,379	29,402	31,823	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	26,372	33,813	38,255	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2053	Psychiatric Technicians	22,357	32,581	37,205	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	31,843	45,963	53,697	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	22,018	29,329	34,052	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	26,952	40,295	47,508	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	35,812	46,634	51,377	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	18,857	35,103	47,222	No	No	No	Postsecondary nondegree award	No	No	Yes
29-2091	Orthotists and Prosthetists	36,546	75,237	88,866	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-2092	Hearing Aid Specialists	28,635	62,337	72,010	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	26,273	40,329	48,066	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	32,768	48,069	54,583	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	58,539	79,410	91,533	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	28,300	58,293	72,659	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	20,183	23,813	25,076	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	22,598	29,380	32,152	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	20,920	27,877	30,632	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	25,161	29,540	31,488	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	41,769	65,389	78,319	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	19,178	27,897	31,734	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	55,139	71,237	78,771	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	19,178	27,897	31,734	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	19,454	39,882	49,250	No	No	No	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	29,183	39,470	46,168	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	26,648	33,156	37,400	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9093	Medical Equipment Preparers	19,896	31,969	37,964	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	20,231	33,358	38,367	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	21,186	32,069	38,317	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	20,763	29,501	34,519	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	27,694	36,796	41,288	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9099	Healthcare Support Workers, All Other	25,673	43,232	52,895	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-1011	First-Line Supervisors of Correctional Officers	34,304	42,506	46,135	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	59,429	84,632	95,706	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	54,599	68,424	77,536	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	27,586	47,937	62,946	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	28,341	43,526	51,480	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	37,577	53,409	62,671	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	29,176	34,490	37,678	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	32,354	45,993	53,284	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,753	37,790	40,842	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	44,842	81,751	102,671	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	20,871	28,005	30,248	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	27,178	42,194	49,486	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	43,562	66,431	83,656	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	44,290	63,803	75,749	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	26,696	38,150	43,129	No	No	No	Postsecondary nondegree award	Yes	No	No

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33-9021	Private Detectives and Investigators	32,827	48,551	59,169	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	24,630	34,185	38,740	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	18,554	26,626	29,718	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	22,537	27,007	29,839	No	No	No	No formal educational credential	Yes	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	19,109	28,369	31,164	No	No	No	No formal educational credential	No	Yes	Yes
33-9093	Transportation Security Screeners	35,237	41,791	44,615	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	22,137	34,642	41,356	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	23,875	53,558	86,851	No	Yes	Yes	Associate's degree	No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	21,949	33,300	39,119	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,229	21,245	20,504	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	21,637	27,546	30,614	No	No	No	No formal educational credential	Yes	Yes	No
35-2013	Cooks, Private Household	20,713	29,678	34,814	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	19,170	25,807	29,507	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	19,355	26,135	29,875	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	21,323	30,062	35,355	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	19,106	26,037	30,253	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,671	26,218	31,867	No	No	No	No formal educational credential	No	No	Yes
35-3023	Fast Food and Counter Workers	18,759	21,753	23,604	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,758	29,782	36,637	No	No	No	No formal educational credential	No	Yes	Yes
35-3041	Food Servers, Nonrestaurant	18,583	21,830	23,702	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,622	25,024	31,586	No	No	No	No formal educational credential	No	No	Yes
35-9021	Dishwashers	18,666	21,946	24,003	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,749	22,448	24,321	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	18,617	27,060	30,248	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	28,564	39,335	43,957	Yes	No	No	High school diploma or equivalent	Yes	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	24,370	40,846	48,318	No	No	No	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	20,422	28,248	31,514	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	18,503	22,505	24,755	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	21,235	35,916	51,897	No	No	Yes	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	30,565	43,316	50,660	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
37-3011	Landscaping and Groundskeeping Workers	21,380	27,505	30,586	No	No	No	No formal educational credential	Yes	Yes	No
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	28,851	37,632	40,853	Yes	No	No	High school diploma or equivalent	Yes	No	No
37-3013	Tree Trimmers and Pruners	28,874	41,498	48,134	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
37-3019	Grounds Maintenance Workers, All Other	25,761	35,267	39,006	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	35,916	55,144	65,053	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	25,582	42,095	49,668	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	21,520	39,134	44,989	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	20,625	25,676	27,895	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	18,135	24,689	27,857	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	19,385	27,109	30,613	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,818	34,106	35,228	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	18,765	29,442	32,266	No	No	No	No formal educational credential	No	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	18,755	25,073	27,838	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,471	22,067	22,452	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	25,771	55,400	72,187	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	19,149	27,218	31,026	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,647	25,614	29,806	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	33,358	56,010	57,073	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
39-4021	Funeral Attendants	20,959	29,491	31,164	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	31,164	54,012	60,330	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
39-5011	Barbers	21,560	31,301	37,245	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,457	33,065	39,425	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	35,828	69,540	80,236	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	19,956	26,608	29,304	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	18,952	25,909	29,894	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	20,733	35,513	41,004	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	18,529	24,571	28,034	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	20,723	28,546	31,695	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	21,717	32,197	35,306	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,253	28,566	35,090	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	19,783	38,507	51,159	No	No	No	Postsecondary nondegree award	No	No	Yes
39-9032	Recreation Workers	19,193	24,168	24,745	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	20,628	23,522	24,664	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	19,125	33,808	47,819	No	No	No	High school diploma or equivalent	No	No	Yes
41-1011	First-Line Supervisors of Retail Sales Workers	24,267	43,203	51,171	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	46,226	73,797	67,642	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,192	24,270	26,888	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,686	28,162	34,814	No	No	No	No formal educational credential	No	Yes	Yes
41-2021	Counter and Rental Clerks	19,104	23,477	25,676	No	No	No	No formal educational credential	No	No	No
41-2022	Parts Salespersons	19,385	28,694	32,068	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,347	28,352	31,206	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	21,786	55,705	72,108	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	27,021	60,585	64,620	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	34,834	55,713	59,114	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	19,670	39,764	48,895	No	No	No	Some college, no degree	No	Yes	Yes

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41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	27,769	67,910	74,805	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	33,036	66,149	96,826	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	20,076	50,302	66,714	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-9011	Demonstrators and Product Promoters	20,369	38,613	48,561	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models	20,369	38,613	48,561	No	No	No	High school diploma or equivalent	No	No	Yes
41-9021	Real Estate Brokers	26,312	65,752	68,448	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	33,371	37,820	39,425	Yes	No	No	Postsecondary nondegree award	Yes	No	No
41-9031	Sales Engineers	55,213	109,884	141,904	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	19,375	27,365	30,101	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	18,499	27,129	29,471	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,025	35,533	38,317	No	No	No	Some college, no degree	No	Yes	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	33,484	55,632	63,911	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	20,997	27,680	31,460	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	23,744	30,908	32,108	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	29,058	40,216	47,547	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-3011	Bill and Account Collectors	22,555	36,447	35,805	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	28,004	35,879	39,685	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	20,116	36,139	41,289	No	No	No	Some college, no degree	No	Yes	Yes
43-3041	Gambling Cage Workers	19,523	27,513	31,095	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	32,769	43,538	49,673	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	19,393	32,965	38,420	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	27,386	34,971	39,082	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	30,150	46,091	53,884	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	34,785	53,442	63,843	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks										
43-4031	Court, Municipal, and License Clerks	28,552	38,437	40,996	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	28,005	42,627	48,905	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	22,847	33,623	38,389	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	26,345	36,978	46,173	No	No	No	High school diploma or equivalent	Yes	No	No
43-4071	File Clerks	22,009	30,086	33,417	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	19,943	22,804	24,127	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	22,358	36,121	38,841	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	21,792	27,735	30,501	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	25,683	42,667	51,159	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	29,314	40,049	45,550	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-4151	Order Clerks	24,031	32,695	36,729	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	23,119	35,259	41,378	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	21,514	28,614	32,711	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	23,360	41,456	57,338	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
43-4199	Information and Record Clerks, All Other	25,122	37,925	44,111	No	No	No	High school diploma or equivalent	No	No	No
43-5011	Cargo and Freight Agents	26,677	43,808	50,519	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	20,974	29,184	32,124	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	29,226	37,243	40,461	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	18,813	33,211	44,640	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	27,058	36,918	41,372	No	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,761	50,693	62,990	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,609	52,808	65,946	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	33,889	50,785	61,973	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	30,310	49,137	56,913	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	21,844	33,324	40,296	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	24,866	37,393	45,038	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	23,359	45,137	52,277	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	28,107	36,833	44,865	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	23,872	33,420	38,649	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	20,316	35,932	43,680	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	21,728	39,224	41,098	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	19,985	32,325	38,583	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	28,310	52,074	56,905	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
43-9041	Insurance Claims and Policy Processing Clerks	27,228	41,397	46,809	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	21,413	29,696	36,212	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	19,836	31,720	37,066	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	19,145	26,289	29,979	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	26,185	41,653	55,223	No	No	Yes	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	32,276	54,426	66,686	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	22,799	39,104	42,225	No	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	30,800	54,868	60,408	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	20,182	36,713	46,445	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	21,520	39,134	44,989	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	25,230	33,358	37,451	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	22,809	33,014	37,737	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	21,403	28,971	30,815	No	No	No	No formal educational credential	Yes	Yes	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	26,195	33,138	37,764	No	No	No	No formal educational credential	Yes	Yes	Yes

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May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
45-2099	Agricultural Workers, All Other	19,346	28,536	28,831	No	No	No	No formal educational credential	No	Yes	No
45-3031	Fishing and Hunting Workers	20,645	31,724	40,659	No	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	35,661	40,718	44,241	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	26,982	36,959	40,531	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	18,490	35,670	45,422	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	22,721	32,797	38,189	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	19,415	46,632	58,736	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	41,232	59,496	67,790	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	34,509	51,070	59,926	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	28,920	42,106	49,082	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2022	Stonemasons	32,384	38,918	42,883	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	29,704	41,990	49,439	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	18,421	32,089	41,397	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	23,636	39,360	51,267	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	25,742	35,228	40,236	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	33,120	38,180	40,531	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	22,910	41,946	55,501	No	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	33,476	44,074	49,565	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	23,489	33,888	39,100	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	26,312	36,959	39,793	No	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	33,132	49,840	59,375	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	29,976	41,360	45,738	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2081	Drywall and Ceiling Tile Installers	32,770	39,859	41,799	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	18,608	40,462	49,584	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	29,236	44,484	50,523	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	26,765	41,584	50,037	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	27,011	38,760	45,570	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	28,792	39,252	45,402	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	29,791	36,036	39,272	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	32,492	47,114	60,310	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	27,769	38,750	44,113	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	25,583	41,358	47,710	No	No	No	Postsecondary nondegree award	No	Yes	Yes
47-2161	Plasterers and Stucco Masons	22,494	37,176	44,979	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	31,124	44,743	51,454	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	27,032	42,898	55,067	No	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	26,175	41,820	49,614	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	26,923	43,464	51,355	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	25,102	35,533	39,744	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	21,855	30,012	35,149	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	22,012	31,961	37,383	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	22,376	30,711	35,395	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	20,369	27,779	32,364	No	No	No	No formal educational credential	No	Yes	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	22,977	30,790	34,568	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	24,305	33,653	38,524	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	22,691	31,085	35,759	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	42,667	53,679	61,074	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	40,768	76,418	96,216	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	25,319	37,875	46,524	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	26,588	39,164	46,445	No	No	No	High school diploma or equivalent	Yes	No	Yes
47-4051	Highway Maintenance Workers	26,020	30,696	35,108	No	No	No	High school diploma or equivalent	Yes	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	33,702	47,380	54,327	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	25,378	37,658	40,659	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	26,923	38,288	43,316	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	23,321	33,752	39,469	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	33,820	44,546	50,421	Yes	Yes	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	24,541	53,343	68,950	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	25,781	40,590	47,055	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5041	Continuous Mining Machine Operators	35,720	56,846	67,818	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	35,720	56,846	67,818	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	30,180	36,900	39,164	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	33,820	44,546	50,421	Yes	Yes	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	23,321	33,752	39,469	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	26,037	45,127	52,467	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	35,100	55,882	71,665	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	36,707	63,548	78,303	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	24,413	38,721	46,809	No	No	No	Postsecondary nondegree award	No	No	Yes
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	30,849	56,827	72,492	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	35,837	54,627	66,112	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	33,525	57,968	70,435	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	27,857	42,677	50,499	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	33,279	54,199	68,271	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	34,529	54,012	63,626	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	41,781	70,652	89,722	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	25,132	37,442	44,674	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	23,882	43,296	54,957	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	27,916	44,507	53,934	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	23,050	50,917	62,957	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-3021	Automotive Body and Related Repairers	26,086	49,092	57,201	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	21,530	36,900	42,549	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	32,242	50,240	61,154	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	34,035	49,956	59,017	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	26,155	41,830	50,716	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	36,581	54,593	61,661	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	35,995	55,203	62,613	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	27,818	49,299	62,298	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	25,250	36,290	42,716	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	26,962	34,135	37,117	No	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	21,993	29,609	33,683	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	26,932	47,262	59,690	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	20,753	30,868	36,487	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	23,941	39,675	46,672	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	31,055	49,968	59,237	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	29,746	42,812	50,987	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	26,057	39,911	47,715	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9041	Industrial Machinery Mechanics	29,328	66,519	90,373	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	24,679	39,154	48,108	No	No	No	High school diploma or equivalent	No	No	Yes
49-9044	Millwrights	31,646	49,378	60,891	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	23,567	33,407	37,894	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	36,686	59,630	73,543	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	30,032	45,284	51,474	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	19,139	40,876	54,111	No	No	Yes	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	29,755	54,930	69,960	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-9063	Musical Instrument Repairers and Tuners	23,370	34,755	39,616	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	21,589	43,109	53,540	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	37,766	55,980	64,157	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	22,342	36,988	45,141	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	44,320	72,571	88,167	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	19,237	30,347	36,694	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	33,397	49,555	50,332	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	25,791	40,413	49,732	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9095	Manufactured Building and Mobile Home Installers	21,018	28,930	31,616	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	32,089	48,443	58,647	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	39,075	65,260	78,563	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	20,631	27,898	33,946	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	22,536	33,579	38,586	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	36,461	61,487	70,552	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	18,962	40,659	52,536	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	18,470	35,277	49,220	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	22,318	30,190	33,900	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	25,200	29,855	31,321	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	25,299	35,936	41,092	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	25,584	35,444	39,459	No	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	23,082	33,401	37,383	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	19,917	28,669	35,315	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	21,678	34,775	40,994	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	21,412	30,672	36,418	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	22,062	28,172	30,927	No	No	No	No formal educational credential	Yes	Yes	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	25,230	33,358	37,451	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	19,513	29,943	34,608	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	19,169	27,661	32,118	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,861	26,932	30,209	No	No	No	No formal educational credential	Yes	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	25,407	35,070	39,823	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	26,047	35,178	38,927	No	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	26,224	36,084	42,204	No	No	No	High school diploma or equivalent	Yes	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	23,716	41,713	41,241	No	No	No	High school diploma or equivalent	No	Yes	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	32,994	54,268	66,263	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,845	32,276	37,599	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,721	37,520	44,113	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	34,982	45,207	50,838	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 16 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-4041	Machinists	26,617	33,530	37,675	No	No	No	Postsecondary nondegree award	Yes	No	No
51-4051	Metal-Refining Furnace Operators and Tenders	30,229	41,781	48,590	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4052	Pourers and Casters, Metal	25,850	40,807	48,915	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4061	Model Makers, Metal and Plastic	32,994	54,268	66,263	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	29,451	52,497	61,983	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	21,156	37,156	47,154	No	No	No	High school diploma or equivalent	No	No	Yes
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	20,881	33,073	38,849	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	25,220	35,700	39,193	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	29,451	52,497	61,983	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	27,047	34,957	38,420	No	No	No	Postsecondary nondegree award	Yes	No	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	24,846	35,100	40,305	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	22,071	34,352	39,508	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	28,280	45,127	56,138	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	28,143	38,327	41,486	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,909	35,434	39,262	No	No	No	High school diploma or equivalent	Yes	No	No
51-4199	Metal Workers and Plastic Workers, All Other	20,969	33,732	38,347	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	22,494	38,111	45,501	No	No	No	Postsecondary nondegree award	No	No	Yes
51-5112	Printing Press Operators	19,936	33,840	40,600	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	20,645	31,380	37,816	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,529	20,634	21,056	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	18,844	24,079	27,336	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	21,683	31,310	36,455	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	19,493	30,504	36,713	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,765	29,383	35,454	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,861	28,084	33,456	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	19,710	29,245	34,185	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	25,387	30,613	34,814	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20,841	30,888	36,251	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18,765	26,027	29,638	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,743	44,526	69,314	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	37,510	67,818	80,797	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	18,529	29,137	30,996	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	23,734	38,396	45,589	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	18,411	27,119	33,132	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	24,689	36,851	43,690	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	19,592	36,330	45,028	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	21,412	30,288	33,683	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	20,900	32,413	38,504	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	22,475	40,187	55,941	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-8011	Nuclear Power Reactor Operators	69,304	94,760	107,405	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	50,027	80,079	100,389	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	44,320	72,571	88,167	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	38,426	57,368	64,748	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	34,830	46,344	51,802	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	31,360	51,139	62,248	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
51-8092	Gas Plant Operators	32,571	47,193	56,689	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	29,914	50,480	58,755	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	38,563	58,952	63,144	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	26,332	44,005	55,656	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	28,553	34,530	38,400	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	23,518	35,454	40,846	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	22,691	33,023	37,422	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	25,082	35,985	40,216	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	20,664	34,883	41,574	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	23,065	34,332	40,315	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	23,469	33,446	37,993	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	22,652	32,433	37,333	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	19,225	31,302	39,568	No	No	No	Postsecondary nondegree award	No	No	No
51-9071	Jewelers and Precious Stone and Metal Workers	24,059	44,517	56,787	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	21,766	41,693	50,972	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	25,171	45,412	53,363	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	23,929	33,092	38,080	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	19,395	29,589	34,952	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	19,405	32,325	41,683	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	27,151	33,401	32,091	No	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians	27,936	41,151	48,246	No	No	No	High school diploma or equivalent	Yes	Yes	Yes

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May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-9151	Photographic Process Workers and Processing Machine Operators	23,803	41,358	49,565	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9161	Computer Numerically Controlled Tool Operators	27,466	36,302	40,143	No	No	No	Postsecondary nondegree award	Yes	No	No
51-9162	Computer Numerically Controlled Tool Programmers	42,462	51,677	58,258	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders										
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	23,557	34,145	39,223	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	21,363	36,556	45,166	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	18,391	26,293	32,679	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	18,355	24,326	28,866	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	25,319	36,221	40,758	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders										
51-9198	Helpers--Production Workers	19,857	28,694	32,128	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	24,221	35,035	39,600	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	34,244	62,632	77,747	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	30,847	48,192	59,359	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	96,610	226,057	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	35,571	70,187	94,384	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	68,399	120,689	149,570	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	25,014	45,884	59,444	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	30,308	57,309	66,194	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	21,569	28,713	31,164	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,851	21,955	20,620	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	21,013	37,794	44,760	No	No	No	Postsecondary nondegree award	No	No	No
53-3033	Light Truck Drivers	18,855	30,410	34,259	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	23,724	36,202	42,017	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19,987	26,368	29,297	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	21,318	32,485	39,240	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	52,694	66,165	72,886	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	53,176	66,814	76,054	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	34,204	55,882	66,804	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	53,176	66,814	76,054	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	22,032	41,515	58,509	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-4099	Rail Transportation Workers, All Other	28,507	54,465	71,095	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	23,459	40,492	47,980	No	No	No	High school diploma or equivalent	No	Yes	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	22,002	79,813	104,079	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	19,661	43,218	55,055	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	32,374	72,216	88,462	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	25,279	39,301	48,256	No	No	No	High school diploma or equivalent	No	No	Yes
53-6021	Parking Attendants	18,755	24,305	27,916	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	19,867	27,355	30,750	No	No	No	No formal educational credential	No	No	No
53-6041	Traffic Technicians	28,349	47,105	54,672	Yes	Yes	Yes	Associate's degree	No	No	No
53-6051	Transportation Inspectors	51,788	91,001	120,522	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	18,499	24,197	26,086	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	22,189	32,669	38,278	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,690	33,427	40,098	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	35,228	60,084	73,033	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	33,594	47,410	55,046	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	26,549	40,895	42,982	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	34,486	42,568	48,236	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	18,601	20,627	20,037	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,521	28,007	31,913	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	26,197	40,239	47,353	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	19,120	22,426	24,181	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	20,271	27,650	31,315	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	19,975	40,079	47,744	No	No	No	High school diploma or equivalent	No	Yes	Yes
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	22,181	30,976	34,937	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,690	33,427	40,098	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	22,376	41,929	53,343	No	No	Yes	No formal educational credential	Yes	Yes	Yes

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11-1011	Chief Executives	56,159	207,053	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	34,199	96,040	127,487	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	17,447	67,223	98,294	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-2011	Advertising and Promotions Managers	34,543	57,544	76,081	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-2021	Marketing Managers	60,540	126,566	167,525	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	47,410	103,120	137,577	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	45,372	100,978	118,775	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	35,407	83,646	105,272	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3021	Computer and Information Systems Managers	71,950	127,436	155,340	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	54,227	110,034	131,832	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	72,688	123,363	146,097	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	61,887	108,938	137,239	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	50,484	94,668	118,972	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	58,640	85,816	97,531	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	58,382	104,003	122,713	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	49,149	102,870	149,620	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	34,265	48,417	55,710	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9021	Construction Managers	42,177	90,212	102,582	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	27,772	43,837	56,022	No	No	Yes	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	54,832	80,163	94,387	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	46,595	91,221	102,620	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	43,278	59,412	74,550	Yes	Yes	Yes	Master's degree	No	No	No
11-9041	Architectural and Engineering Managers	87,119	128,567	151,515	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	30,286	50,581	59,454	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	42,960	82,078	90,265	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	31,845	61,376	71,065	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	59,793	104,512	120,865	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	48,368	87,952	108,738	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	73,403	84,421	89,201	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	19,695	59,706	72,405	No	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	44,902	74,562	77,236	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
11-9161	Emergency Management Directors	45,114	77,229	93,519	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	39,286	76,399	93,482	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	43,620	86,554	107,583	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	31,817	79,784	95,944	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	29,818	53,557	64,922	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	41,503	58,814	67,946	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	45,729	64,090	75,149	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	32,089	62,385	80,913	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	34,627	67,458	93,259	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1071	Human Resources Specialists	28,614	52,630	67,389	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	34,465	74,096	78,553	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	19,828	60,353	80,232	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	35,365	77,992	104,159	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1111	Management Analysts	36,846	71,498	81,376	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1121	Meeting, Convention, and Event Planners	23,852	47,733	57,683	No	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	19,605	58,647	87,896	No	Yes	Yes	Bachelor's degree	No	No	Yes
13-1141	Compensation, Benefits, and Job Analysis Specialists	34,715	51,571	59,432	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	31,624	56,330	65,448	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	25,642	57,084	65,522	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	38,286	66,153	78,088	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	42,488	75,023	87,243	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
13-2020	Property Appraisers and Assessors	33,377	43,125	40,769	Yes	No	No	Bachelor's degree	No	No	No
13-2031	Budget Analysts	42,059	68,937	80,768	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	42,792	77,425	92,382	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	31,467	111,206	138,161	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	45,644	86,391	106,690	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2061	Financial Examiners	42,950	77,751	93,771	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	30,987	46,867	49,655	Yes	Yes	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	32,775	75,420	86,797	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,341	46,087	50,019	Yes	Yes	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	19,145	55,683	67,668	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	41,373	73,457	86,177	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
15-1211	Computer Systems Analysts	44,564	78,369	98,069	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	47,360	90,678	122,030	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	68,137	111,871	130,688	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	38,292	69,321	89,727	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	32,089	54,383	63,925	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	54,343	80,490	90,262	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	42,168	75,345	94,327	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1245	Database Administrators and Architects	29,798	87,288	119,733	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1251	Computer Programmers	41,753	65,426	87,179	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	54,964	89,521	111,051	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	24,291	54,271	71,823	No	Yes	Yes	Associate's degree	No	Yes	Yes

Workforce Region 17 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
15-1299	Computer Occupations, All Other	29,440	59,077	60,807	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2011	Actuaries	46,102	108,887	134,279	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	65,675	98,452	111,339	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	34,872	61,866	76,302	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2041	Statisticians	27,518	67,400	88,866	No	Yes	Yes	Master's degree	No	No	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	48,116	86,656	110,453	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	58,803	95,436	124,380	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	43,972	58,079	64,944	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1021	Cartographers and Photogrammetrists	46,198	65,493	74,359	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	33,052	55,860	69,144	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	62,253	102,145	121,755	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	40,778	75,224	93,016	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	58,131	84,978	102,024	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	46,662	91,095	115,190	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	57,695	91,824	114,562	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	59,297	95,683	115,964	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	49,760	89,316	108,186	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	62,896	89,675	111,224	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	54,633	108,696	171,262	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	43,883	77,882	96,578	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	65,483	85,151	99,928	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	45,198	74,888	89,528	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	47,520	89,678	109,297	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	50,230	84,506	116,212	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	68,547	110,164	134,847	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	80,269	101,240	114,351	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	68,995	149,860	184,251	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	51,693	73,677	82,934	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-3011	Architectural and Civil Drafters	31,366	55,913	71,976	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3012	Electrical and Electronics Drafters	21,811	48,723	60,472	No	Yes	Yes	Associate's degree	No	No	No
17-3013	Mechanical Drafters	33,622	56,614	68,508	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3019	Drafters, All Other	31,285	51,464	59,334	Yes	Yes	Yes	Associate's degree	No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	37,971	64,025	82,581	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	28,415	40,862	47,724	Yes	No	No	Associate's degree	No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	26,057	56,924	76,574	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	30,949	49,553	57,507	Yes	Yes	Yes	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	25,317	40,778	48,816	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	32,665	42,628	47,370	Yes	No	No	Associate's degree	No	No	No
17-3027	Mechanical Engineering Technologists and Technicians	29,271	51,595	66,515	Yes	Yes	Yes	Associate's degree	No	No	Yes
17-3031	Surveying and Mapping Technicians	24,969	40,296	45,592	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	42,087	55,710	63,711	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	38,773	60,416	72,324	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	29,933	54,243	68,268	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	29,690	67,382	91,449	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1021	Biochemists and Biophysicists	41,123	74,497	84,838	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	33,765	58,570	71,503	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	30,241	49,515	55,726	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	36,778	50,650	55,458	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	31,546	64,873	81,080	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1032	Foresters	43,305	70,757	90,498	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-1041	Epidemiologists	30,688	51,501	64,127	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	44,981	62,764	70,589	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1099	Life Scientists, All Other	47,016	97,268	121,988	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	79,886	136,311	154,775	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	79,886	136,311	154,775	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	55,203	92,307	108,495	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	30,733	48,967	53,650	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	46,317	96,233	125,140	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	34,370	45,903	47,690	Yes	Yes	No	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	52,017	74,116	91,303	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	43,743	89,286	104,924	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	44,275	109,260	127,900	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	49,319	88,008	99,264	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	27,518	67,400	88,866	No	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	41,387	64,681	73,908	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	27,518	67,400	88,866	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	91,231	116,545	118,621	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
19-3041	Sociologists	49,459	70,645	85,696	Yes	Yes	Yes	Master's degree	Yes	No	Yes
19-3051	Urban and Regional Planners	42,567	72,653	90,627	Yes	Yes	Yes	Master's degree	No	No	Yes
19-3091	Anthropologists and Archeologists	30,688	51,501	64,127	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	23,284	54,635	80,231	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	57,762	69,730	79,271	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-4010	Agricultural and Food Science Technicians	26,856	38,261	46,380	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	26,007	41,058	51,910	No	No	No	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	33,493	51,293	62,937	Yes	Yes	Yes	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	32,443	54,517	65,500	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-4045	Geological and Hydrologic Technicians	24,543	43,417	52,574	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	65,675	89,799	101,781	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	25,140	50,159	58,159	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	29,112	43,836	52,415	Yes	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	32,094	43,619	49,901	Yes	No	No	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	18,838	40,611	53,077	No	No	No	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	41,580	66,250	80,134	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-5012	Occupational Health and Safety Technicians	25,205	46,858	60,752	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	33,906	50,068	58,633	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	24,812	36,567	41,448	No	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	23,016	34,193	41,905	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	24,994	41,440	49,248	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	28,268	33,542	37,104	Yes	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	29,745	41,773	49,567	Yes	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	33,150	60,805	65,932	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	21,071	30,896	38,212	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	40,020	47,491	49,185	Yes	Yes	No	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	34,763	54,172	71,537	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	29,299	37,542	41,589	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	21,866	33,410	39,351	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	28,300	44,315	53,463	Yes	No	Yes	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	28,797	46,558	50,084	Yes	Yes	No	Bachelor's degree	No	No	No
21-2011	Clergy	28,193	50,099	58,587	Yes	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	27,481	67,390	103,322	No	Yes	Yes	Bachelor's degree	No	No	Yes
21-2099	Religious Workers, All Other	18,305	40,563	53,777	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	50,532	92,913	101,043	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	28,273	47,883	54,168	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	36,227	95,645	117,130	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	23,816	66,468	94,023	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	136,209	175,103	159,736	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	36,318	61,391	76,192	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
23-2093	Title Examiners, Abstractors, and Searchers	35,308	51,636	61,630	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	21,774	46,338	42,447	No	Yes	No	Associate's degree	No	No	No
25-1011	Business Teachers, Postsecondary	55,483	101,800	119,722	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	43,538	92,167	115,358	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	39,799	77,574	102,378	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	24,730	84,568	105,530	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	50,504	103,227	126,446	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	51,697	97,510	118,687	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	39,482	83,989	102,844	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	64,379	105,511	124,096	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	44,526	88,736	109,931	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	48,825	82,115	96,988	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	21,848	70,161	82,358	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	45,533	88,344	111,628	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	54,308	86,805	98,089	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	40,479	74,982	91,076	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	55,483	101,800	119,722	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	48,974	81,518	96,018	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	49,413	87,841	98,965	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	39,165	76,091	90,787	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	40,134	75,765	92,382	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	41,169	78,460	104,094	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	47,294	85,344	98,907	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	53,590	108,775	116,048	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	39,584	63,820	75,737	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	40,927	66,216	78,040	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	37,066	83,467	90,880	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	52,406	141,860	188,018	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	34,390	69,713	82,059	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	31,154	92,400	105,688	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	38,792	67,615	79,896	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	40,289	82,378	101,408	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	44,135	80,203	103,367	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	27,191	77,667	89,314	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	42,102	87,318	102,676	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	31,117	62,682	76,017	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	29,721	64,128	87,785	Yes	Yes	Yes	Master's degree	No	No	Yes
25-1199	Postsecondary Teachers, All Other	21,401	52,108	65,498	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	21,005	33,171	42,226	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	41,360	49,783	55,006	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2021	Elementary School Teachers, Except Special Education	41,061	49,111	54,158	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	40,460	48,753	53,232	Yes	Yes	No	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	27,947	55,054	70,319	No	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	40,826	50,381	57,415	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	40,694	60,826	69,209	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2051	Special Education Teachers, Preschool	29,886	58,001	73,779	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	38,167	59,633	72,016	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	38,251	55,604	65,265	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	38,959	58,803	70,440	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2059	Special Education Teachers, All Other	26,128	48,331	58,756	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	32,904	42,306	48,620	Yes	No	No	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	23,116	47,089	59,653	No	Yes	Yes	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	19,037	28,025	30,214	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	23,141	45,692	58,456	No	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	25,485	40,610	47,305	No	No	No	Master's degree	No	No	No
25-4012	Curators	26,986	51,473	58,588	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	18,403	27,125	31,709	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	28,822	49,968	59,808	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	25,307	31,406	35,104	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	17,773	35,686	45,207	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	36,810	63,370	75,589	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	17,848	35,556	45,879	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	18,355	23,291	26,504	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	21,876	46,755	59,661	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	43,716	71,189	81,559	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1012	Craft Artists	17,102	30,567	36,703	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	17,922	44,219	59,204	No	No	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	39,799	61,367	72,939	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1019	Artists and Related Workers, All Other	28,329	79,914	97,697	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	42,237	84,214	116,795	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1022	Fashion Designers	30,203	58,346	67,475	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	20,342	28,318	31,921	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	27,513	45,928	58,059	No	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	31,997	44,466	51,489	Yes	No	No	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	23,903	31,076	32,031	No	No	No	Some college, no degree	Yes	No	No
27-1027	Set and Exhibit Designers	21,084	45,888	56,984	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	29,933	54,746	62,794	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	19,978	41,255	45,890	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	20,116	48,151	53,991	No	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	17,456	66,207	77,882	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	22,757	40,707	50,250	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	17,475	36,675	43,771	No	No	No	Some college, no degree	No	Yes	Yes
27-2031	Dancers	18,775	51,593	75,760	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	17,223	36,302	55,129	No	No	Yes	Some college, no degree	No	Yes	Yes
27-2041	Music Directors and Composers	17,568	61,610	71,653	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	17,670	83,673	117,306	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	22,194	35,006	41,434	No	No	No	Some college, no degree	No	No	Yes
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,566	55,539	68,249	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	26,856	59,111	68,566	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	32,529	54,639	71,338	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	34,006	57,922	63,401	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	27,424	55,016	71,585	No	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	22,585	53,059	61,134	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	21,746	50,951	65,181	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,081	47,697	78,385	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	17,848	41,915	52,163	No	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	25,466	46,522	57,152	No	Yes	Yes	Associate's degree	No	No	No
27-4012	Broadcast Technicians	20,571	43,575	53,199	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	22,016	52,695	60,528	No	Yes	Yes	Associate's degree	No	No	No
27-4021	Photographers	22,582	37,350	44,352	No	No	No	Some college, no degree	No	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	21,839	46,494	57,814	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	29,728	50,336	60,649	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	23,060	75,774	98,378	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	74,989	105,063	122,184	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1021	Dentists, General	104,015	202,553	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	59,530	219,126	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	83,514	168,706	193,958	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	74,851	200,364	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	53,404	163,475	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	41,817	57,744	64,851	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041	Optometrists	49,747	128,523	155,956	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1051	Pharmacists	68,025	118,266	135,282	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1071	Physician Assistants	32,323	89,246	123,462	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-1081	Podiatrists	50,224	123,751	169,695	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	68,191	96,242	111,634	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	69,615	95,543	105,842	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1124	Radiation Therapists	59,778	79,025	84,295	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	26,334	47,660	56,826	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	46,879	60,528	66,009	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	46,103	75,563	91,478	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	33,131	50,494	62,001	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	29,616	48,042	56,229	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	54,896	105,073	117,503	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	53,733	66,085	72,760	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	126,669	164,827	169,872	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,422	62,971	92,335	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	72,878	106,168	112,351	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	67,263	73,741	79,604	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	126,986	253,115	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	127,739	247,568	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	47,538	195,534	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	116,300	228,992	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	54,858	147,585	183,906	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	59,223	203,243	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	118,012	232,271	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	41,112	261,479	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	65,761	72,597	77,948	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	20,207	62,794	75,700	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	29,242	52,783	67,474	Yes	Yes	Yes	Associate's degree	No	No	Yes
29-2031	Cardiovascular Technologists and Technicians	24,166	47,592	65,206	No	Yes	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	54,905	68,673	78,395	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	62,482	77,741	85,535	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	42,988	62,708	69,810	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	31,434	63,657	77,967	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	25,870	40,931	46,212	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	19,312	27,863	30,157	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	24,139	32,144	36,923	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	23,552	34,480	38,504	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	33,710	46,844	51,326	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	26,562	35,062	39,430	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	24,128	35,854	40,851	No	No	No	Postsecondary nondegree award	No	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	34,438	43,629	48,792	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
29-2081	Opticians, Dispensing	25,361	43,693	55,927	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	34,633	71,298	84,213	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	27,135	59,073	68,240	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	27,771	48,041	62,725	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	32,517	40,791	40,357	Yes	No	No	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	55,474	75,252	86,740	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	29,208	55,390	76,219	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	19,933	24,661	26,934	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,806	27,851	30,751	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	20,204	23,728	24,990	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	23,844	27,993	29,840	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	54,846	67,141	76,081	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	18,174	26,436	30,073	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	49,801	64,092	72,399	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	22,914	32,162	37,828	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	46,306	58,517	65,033	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-9091	Dental Assistants	32,958	38,963	41,966	Yes	No	No	Postsecondary nondegree award	Yes	No	No
31-9092	Medical Assistants	23,455	31,505	36,360	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	22,966	33,533	38,295	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	19,172	31,611	36,358	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	20,077	30,390	36,311	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	19,676	27,956	32,712	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	26,159	35,043	39,532	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9099	Healthcare Support Workers, All Other	25,433	31,701	35,805	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	32,031	44,676	46,074	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	57,178	82,960	96,349	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	35,042	59,159	67,502	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	32,158	62,100	80,121	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	26,906	46,867	55,998	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	45,047	65,061	68,547	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	27,648	32,684	35,705	No	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	30,660	43,585	50,494	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,753	35,406	35,392	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	37,207	56,127	64,530	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	19,778	26,539	28,665	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	25,755	39,985	46,895	No	No	No	High school diploma or equivalent	Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	35,669	58,405	74,142	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
33-3052	Transit and Railroad Police	41,971	60,463	71,783	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	25,298	36,153	40,871	No	No	No	Postsecondary nondegree award	No	No	No

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33-9021	Private Detectives and Investigators	33,457	49,373	61,050	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	23,340	32,395	36,712	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	20,086	28,470	31,664	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	25,989	28,838	31,020	No	No	No	No formal educational credential	Yes	Yes	Yes
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	19,053	26,319	29,902	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	33,392	39,603	42,279	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	18,579	31,466	40,809	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	36,774	57,534	70,264	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	20,637	31,989	38,770	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,706	22,771	25,153	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	18,516	22,840	25,287	No	No	No	No formal educational credential	No	No	No
35-2013	Cooks, Private Household	19,629	28,124	32,991	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	20,492	26,794	30,484	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	18,928	22,935	26,753	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	20,207	28,488	33,504	No	No	No	No formal educational credential	No	Yes	Yes
35-2021	Food Preparation Workers	19,947	26,406	29,408	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,615	23,739	24,412	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,863	21,687	23,377	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,656	23,760	23,631	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	18,792	23,297	26,324	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,678	24,114	26,587	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	18,768	22,532	24,385	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,753	24,035	25,231	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	17,643	25,643	28,665	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	28,465	38,576	43,247	Yes	No	No	High school diploma or equivalent	Yes	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	25,442	41,729	56,722	No	No	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,129	25,548	28,691	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,888	23,978	25,624	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	20,123	34,036	49,180	No	No	No	No formal educational credential	No	Yes	Yes
37-2021	Pest Control Workers	27,848	38,843	45,627	No	No	No	High school diploma or equivalent	Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	20,540	30,015	33,268	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	24,297	33,371	38,391	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	20,729	33,682	42,391	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	24,413	33,420	36,964	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	34,036	52,257	61,647	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	25,795	41,357	49,133	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	20,394	37,085	42,633	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	19,746	35,310	39,750	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	17,186	23,396	26,399	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,370	25,690	29,010	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	18,780	32,320	33,383	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	17,783	27,900	30,576	No	No	No	No formal educational credential	No	No	No
39-3031	Ushers, Lobby Attendants, and Ticket Takers	17,773	23,760	26,380	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,550	22,921	22,435	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	24,422	52,499	68,407	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	18,146	25,793	29,401	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	17,671	24,273	28,245	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	31,611	53,077	54,084	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	19,862	27,947	29,532	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	29,532	51,184	57,171	Yes	Yes	Yes	Associate's degree	No	No	No
39-5011	Barbers	20,431	29,663	35,295	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	18,721	26,909	29,988	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	33,952	65,899	76,035	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	18,911	25,215	27,770	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	17,960	24,552	28,329	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,648	33,654	38,857	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	17,559	23,284	26,567	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	20,370	26,430	29,413	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	20,580	30,511	33,458	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	18,724	23,139	25,379	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	20,746	32,715	33,129	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	19,434	29,505	32,393	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	22,320	32,925	38,763	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	18,966	31,374	38,313	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	24,517	42,298	50,641	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	44,531	84,554	108,503	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	20,138	24,880	27,343	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	17,708	26,688	32,991	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	21,390	36,596	40,146	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	20,219	35,388	41,951	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,241	29,104	30,830	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	23,132	53,617	74,242	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	28,891	53,211	61,886	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	35,436	70,025	81,357	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	32,530	45,742	55,635	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes

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May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	27,171	68,305	78,995	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	38,577	105,434	129,047	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	24,367	63,699	77,203	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	19,303	36,591	46,018	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models	19,303	36,591	46,018	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	24,935	62,309	64,864	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	19,815	51,312	51,585	No	Yes	No	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	44,797	68,891	80,063	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
41-9041	Telemarketers	19,854	25,793	29,342	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,531	25,709	27,928	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,402	30,383	32,014	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	31,310	55,695	66,704	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	23,273	30,986	35,667	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	22,501	29,290	30,427	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	27,536	38,111	45,058	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	26,896	37,106	42,852	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	28,222	39,699	45,747	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	25,140	38,768	45,513	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	18,501	26,072	29,467	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	30,444	45,185	51,469	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	29,212	43,640	50,458	Yes	No	No	Associate's degree	No	No	No
43-3071	Tellers	27,120	33,570	37,778	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	28,571	43,678	51,063	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	39,284	58,058	67,195	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	27,303	39,043	45,403	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	28,687	39,739	42,549	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	30,452	42,619	50,664	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	21,063	32,305	38,305	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	25,009	33,803	40,321	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	23,866	33,365	38,658	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	19,851	24,375	26,306	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	18,657	26,247	28,478	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	19,094	29,219	29,176	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	29,636	40,098	46,135	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4141	New Accounts Clerks	27,779	37,952	43,165	No	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	21,321	35,749	44,529	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	28,283	40,161	47,347	Yes	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	21,437	28,677	31,824	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	22,137	39,286	54,336	No	No	Yes	High school diploma or equivalent	No	No	Yes
43-4199	Information and Record Clerks, All Other	27,285	41,095	49,265	No	No	No	High school diploma or equivalent	Yes	No	Yes
43-5011	Cargo and Freight Agents	25,543	51,985	59,307	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
43-5021	Couriers and Messengers	18,967	29,593	36,316	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	31,440	45,366	54,061	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5032	Dispatchers, Except Police, Fire, and Ambulance	24,028	40,518	50,783	No	No	No	High school diploma or equivalent	No	No	Yes
43-5041	Meter Readers, Utilities	26,994	46,290	64,696	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5051	Postal Service Clerks	37,765	55,561	63,001	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,608	53,517	65,037	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	45,240	60,066	64,262	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	27,019	47,814	57,832	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	26,008	36,131	43,042	No	No	No	High school diploma or equivalent	Yes	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	29,478	39,166	45,303	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	33,768	57,166	68,246	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	29,501	42,148	49,397	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	26,289	35,236	38,973	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	20,153	34,912	40,414	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	22,658	30,733	33,790	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	19,472	24,125	26,359	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	26,828	49,347	53,926	No	Yes	Yes	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	31,281	43,569	47,928	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	19,046	27,400	32,184	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	20,643	35,344	41,066	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	22,042	29,078	31,735	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	24,814	39,472	52,331	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	30,586	51,576	63,195	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	24,584	42,498	47,904	No	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	39,756	47,212	50,656	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	26,822	45,041	56,209	No	No	Yes	Bachelor's degree	No	No	No
45-2021	Animal Breeders	20,394	37,085	42,633	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	18,346	20,420	20,045	No	No	No	No formal educational credential	No	No	No
45-2091	Agricultural Equipment Operators	21,615	31,285	35,761	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	20,341	25,726	28,417	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	19,823	29,728	36,629	No	No	No	No formal educational credential	No	Yes	Yes

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45-2099	Agricultural Workers, All Other	18,333	27,042	27,322	No	No	No	No formal educational credential	No	No	No
45-3031	Fishing and Hunting Workers	19,564	30,063	38,530	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	33,793	38,586	41,925	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	25,569	35,024	38,409	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	17,521	33,803	43,044	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	21,531	31,080	36,190	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,398	44,191	55,660	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	40,162	59,115	71,220	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	32,702	48,396	56,789	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	24,725	38,771	47,014	No	No	No	High school diploma or equivalent	No	No	No
47-2022	Stonemasons	30,688	36,880	40,638	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	28,525	39,191	45,497	Yes	No	No	Postsecondary nondegree award	Yes	No	No
47-2041	Carpet Installers	17,456	30,408	39,230	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,398	37,300	48,583	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	24,394	33,383	38,130	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	24,478	36,628	42,605	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	32,334	40,766	46,761	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	31,723	41,766	46,970	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2061	Construction Laborers	24,600	34,067	37,248	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	33,174	38,712	40,778	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	31,397	47,231	56,266	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	32,061	48,831	57,848	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2081	Drywall and Ceiling Tile Installers	22,257	37,175	45,180	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	17,633	38,344	46,988	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	28,014	41,465	48,319	No	No	No	Postsecondary nondegree award	Yes	No	No
47-2121	Glaziers	32,516	37,681	40,097	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	25,597	36,731	43,184	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	34,890	43,167	48,265	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2141	Painters, Construction and Maintenance	22,962	36,625	44,347	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	30,791	44,648	57,152	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	26,798	34,305	39,339	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	33,472	44,278	49,890	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
47-2161	Plasterers and Stucco Masons	21,317	35,229	42,624	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	29,495	42,400	48,760	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2181	Roofers	21,871	35,259	41,347	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	28,379	46,601	51,719	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-2221	Structural Iron and Steel Workers	35,727	50,240	60,005	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	23,788	33,672	37,663	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	20,711	28,441	33,309	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	25,895	29,034	30,703	No	No	No	No formal educational credential	Yes	Yes	No
47-3013	Helpers--Electricians	26,379	35,715	41,570	No	No	No	High school diploma or equivalent	Yes	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	19,303	26,324	30,670	No	No	No	No formal educational credential	No	No	No
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	20,064	25,730	28,437	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	23,033	31,891	36,507	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	24,484	31,322	35,672	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	41,391	59,944	73,067	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	38,633	72,417	91,179	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	23,993	35,892	44,088	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	25,196	37,113	44,014	No	No	No	High school diploma or equivalent	No	No	No
47-4051	Highway Maintenance Workers	21,532	31,239	36,626	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	31,938	44,899	51,483	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	34,945	47,046	51,507	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-4090	Miscellaneous Construction and Related Workers	27,691	39,605	46,179	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	22,100	31,984	37,402	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	32,050	42,214	47,781	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	23,256	50,550	65,340	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	28,891	45,845	58,149	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-5041	Continuous Mining Machine Operators	33,849	53,870	64,267	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining	33,849	53,870	64,267	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-5044	Loading and Moving Machine Operators, Underground Mining	33,849	53,870	64,267	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	28,599	34,968	37,113	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	32,050	42,214	47,781	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	22,100	31,984	37,402	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	36,561	44,488	49,080	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	33,262	52,956	67,913	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	38,621	68,394	84,742	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	25,613	34,613	40,017	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	29,234	53,851	68,697	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	39,981	60,107	75,454	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	31,770	54,933	66,748	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	28,121	39,056	43,744	No	No	No	High school diploma or equivalent	Yes	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	31,537	51,362	64,696	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	38,179	55,285	68,957	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	39,594	66,953	85,024	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	23,816	35,481	42,335	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	23,381	46,147	60,268	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	32,731	40,261	43,196	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-3011	Aircraft Mechanics and Service Technicians	33,543	65,704	83,446	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-3021	Automotive Body and Related Repairers	22,420	43,757	45,179	No	No	No	Postsecondary nondegree award	No	Yes	No
49-3022	Automotive Glass Installers and Repairers	20,403	34,968	40,321	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	24,194	46,700	60,461	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	31,810	44,975	51,892	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	24,786	39,640	48,061	No	No	No	High school diploma or equivalent	No	No	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	37,000	55,517	64,715	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	34,110	52,313	59,334	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	26,361	46,718	59,036	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	23,928	34,390	40,479	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	26,406	36,148	42,998	No	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	20,841	28,059	31,919	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	25,522	44,787	56,565	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
49-3093	Tire Repairers and Changers	22,186	28,978	32,047	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	22,687	37,598	44,228	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	34,448	51,025	59,055	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	29,335	42,645	48,720	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9031	Home Appliance Repairers	21,547	44,250	59,885	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-9041	Industrial Machinery Mechanics	33,132	56,321	70,254	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	19,404	31,285	39,234	No	No	No	High school diploma or equivalent	No	No	No
49-9044	Millwrights	34,275	54,203	64,691	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	22,333	31,658	35,910	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	31,132	56,822	75,550	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	33,307	47,879	52,208	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	18,137	38,736	51,278	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	30,456	45,680	52,535	Yes	Yes	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	22,147	32,936	37,542	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,459	40,852	50,737	No	No	No	High school diploma or equivalent	No	No	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	35,789	53,049	60,798	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	24,685	42,769	52,491	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9081	Wind Turbine Service Technicians	41,999	68,771	83,551	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18,230	28,758	34,773	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	31,649	46,960	47,697	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	No
49-9094	Locksmiths and Safe Repairers	21,228	31,434	37,634	No	No	No	High school diploma or equivalent	No	No	No
49-9095	Manufactured Building and Mobile Home Installers	19,918	27,415	29,961	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	30,408	45,906	55,576	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	37,029	61,843	74,450	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	20,026	30,710	36,409	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	22,877	34,319	39,739	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	35,656	63,930	79,676	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	17,969	38,530	49,786	No	No	No	Postsecondary nondegree award	No	No	No
51-2021	Coil Winders, Tapers, and Finishers	17,503	33,430	46,643	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	20,160	30,893	35,285	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	23,881	28,292	29,681	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	25,283	38,032	45,180	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	24,245	33,588	37,393	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	20,940	31,695	37,018	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	21,796	30,072	34,805	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	21,922	33,851	39,999	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	25,062	31,856	36,705	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	20,906	26,697	29,308	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	23,909	31,611	35,491	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	21,614	33,402	40,202	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	18,165	26,212	30,436	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	19,769	25,522	28,627	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	24,077	33,234	37,738	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	24,683	33,337	36,889	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	24,851	34,194	39,994	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,468	30,464	35,472	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	31,266	51,427	62,794	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,701	30,586	35,630	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,531	35,556	41,804	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	31,546	41,552	47,156	Yes	No	No	Postsecondary nondegree award	Yes	No	No

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51-4041	Machinists	25,097	41,009	50,992	No	No	No	Postsecondary nondegree award	No	No	No
51-4051	Metal-Refining Furnace Operators and Tenders	28,646	39,594	46,046	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	24,497	38,670	46,354	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	31,266	51,427	62,794	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	27,909	49,748	58,738	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	20,049	35,211	44,685	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	26,488	36,085	39,943	No	No	No	High school diploma or equivalent	Yes	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,978	38,229	51,167	No	No	No	High school diploma or equivalent	No	No	Yes
51-4111	Tool and Die Makers	35,193	50,230	60,450	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	29,725	44,873	52,358	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	23,545	33,262	38,195	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	20,916	32,553	37,439	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	26,800	42,764	53,199	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	32,978	36,054	39,076	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	24,552	33,579	37,206	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	19,871	31,966	36,339	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	23,240	40,876	51,406	No	No	No	Postsecondary nondegree award	No	No	Yes
51-5112	Printing Press Operators	25,659	38,795	46,971	No	No	No	High school diploma or equivalent	Yes	No	No
51-5113	Print Binding and Finishing Workers	24,817	35,961	41,406	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,973	22,702	24,484	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	17,857	22,818	25,905	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	20,834	24,694	26,057	No	No	No	No formal educational credential	Yes	No	No
51-6041	Shoe and Leather Workers and Repairers	18,473	28,907	34,791	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	17,783	27,844	33,598	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	19,769	26,613	31,705	No	No	No	No formal educational credential	No	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	18,678	27,714	32,395	No	No	No	No formal educational credential	No	No	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	24,058	29,010	32,991	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	19,750	29,271	34,353	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	17,783	24,664	28,087	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	19,657	42,195	65,685	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	35,547	64,267	76,567	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	17,559	27,611	29,373	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	22,492	36,386	43,202	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,447	25,699	31,397	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	24,000	34,281	39,195	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	18,566	34,428	42,671	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	20,291	28,702	31,919	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	19,806	30,716	36,488	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	21,298	38,083	53,012	No	No	No	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	65,675	89,799	101,781	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	47,408	75,886	95,133	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	41,999	68,771	83,551	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	36,414	54,364	61,358	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	29,363	57,833	67,735	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	29,718	48,462	58,989	Yes	Yes	Yes	Associate's degree	No	No	No
51-8092	Gas Plant Operators	30,865	44,722	53,721	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	28,348	47,837	55,679	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	36,544	55,865	59,838	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	24,920	44,596	54,604	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	26,546	39,444	48,161	No	No	No	High school diploma or equivalent	Yes	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	24,331	42,705	57,610	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9022	Grinding and Polishing Workers, Hand	21,503	31,294	35,463	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	19,771	36,668	42,536	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	19,582	33,057	39,398	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	28,522	36,939	40,962	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,808	33,511	38,780	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,466	30,735	35,379	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	21,788	35,211	40,532	No	No	No	Postsecondary nondegree award	No	No	No
51-9071	Jewelers and Precious Stone and Metal Workers	18,903	42,617	49,964	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	20,627	39,510	48,303	No	No	No	Postsecondary nondegree award	No	No	No
51-9082	Medical Appliance Technicians	23,853	43,034	50,569	No	No	No	Postsecondary nondegree award	No	Yes	No
51-9083	Ophthalmic Laboratory Technicians	20,580	31,966	36,078	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	19,879	31,656	38,330	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,389	30,632	39,500	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	32,088	45,646	48,740	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-9141	Semiconductor Processing Technicians										

Workforce Region 17 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-9151	Photographic Process Workers and Processing Machine Operators	22,557	39,193	46,970	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	24,683	37,039	43,939	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	33,103	50,765	59,567	Yes	Yes	Yes	Associate's degree	No	No	No
51-9191	Adhesive Bonding Machine Operators and Tenders	20,123	32,348	39,202	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,324	32,357	37,169	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	20,244	34,642	42,801	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,428	24,916	30,968	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	28,862	37,574	41,377	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	23,993	34,325	38,624	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	24,459	35,192	42,727	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	19,398	29,426	33,146	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	22,121	32,744	38,119	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	32,451	59,353	73,676	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	34,225	53,613	63,444	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	91,552	214,221	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	40,218	117,904	147,660	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	64,817	114,370	141,738	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	23,704	43,482	56,332	No	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	28,721	54,308	62,729	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,440	27,210	29,532	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,925	25,532	29,406	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	24,712	45,808	58,419	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	22,347	46,748	63,108	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
53-3052	Bus Drivers, Transit and Intercity	19,061	30,757	35,435	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	18,626	22,688	24,771	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,507	29,259	31,374	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	49,935	62,701	69,070	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	50,392	63,316	72,072	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	32,413	52,956	63,307	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	50,392	63,316	72,072	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	20,878	39,342	55,446	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	27,014	51,613	67,372	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	22,231	38,372	45,468	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	20,850	75,634	98,629	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	18,631	40,955	52,173	No	No	No	Postsecondary nondegree award	No	No	Yes
53-5031	Ship Engineers	30,679	68,435	83,831	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	23,956	37,244	45,729	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	19,575	23,907	25,922	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	19,620	27,025	30,835	No	No	No	No formal educational credential	No	No	No
53-6041	Traffic Technicians	26,865	44,638	51,809	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	53,810	84,916	113,792	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,531	22,930	24,720	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	20,316	40,479	53,614	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-7011	Conveyor Operators and Tenders	18,659	31,677	37,999	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	45,489	61,016	70,762	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	31,835	44,927	52,163	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	25,159	38,754	40,731	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	26,528	37,170	44,486	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	20,748	28,449	32,892	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	22,440	33,045	37,778	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	27,790	33,513	37,659	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	19,304	25,742	25,910	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	21,183	31,593	37,681	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	32,758	60,808	73,107	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	18,930	37,980	45,244	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	23,387	37,104	45,589	No	No	No	High school diploma or equivalent	No	No	No
53-7081	Refuse and Recyclable Material Collectors	22,823	37,536	43,834	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	18,659	31,677	37,999	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	21,205	39,733	50,550	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 18 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
11-1011	Chief Executives	47,275	187,564	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	39,636	110,209	134,190	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	18,606	66,143	104,689	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-2011	Advertising and Promotions Managers	48,431	110,444	128,258	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	53,774	108,690	127,644	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	56,297	137,196	183,069	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	53,815	105,307	134,877	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	37,143	80,740	95,059	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3021	Computer and Information Systems Managers	67,650	119,322	146,117	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	47,335	112,648	144,272	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	58,681	113,044	131,540	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	35,008	110,782	152,468	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	50,940	101,731	116,928	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	54,325	96,348	137,377	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	55,549	107,464	128,655	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	73,031	137,907	181,583	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	36,885	79,298	84,068	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
11-9021	Construction Managers	68,012	99,095	114,103	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	33,585	49,375	50,403	Yes	Yes	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	49,998	87,062	103,568	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	46,324	91,538	104,695	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9039	Education Administrators, All Other	37,270	69,407	68,786	Yes	Yes	Yes	Master's degree	No	No	No
11-9041	Architectural and Engineering Managers	86,423	144,344	170,017	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	35,295	64,694	86,389	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	45,976	87,840	96,603	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	33,164	52,161	70,012	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	50,095	107,942	127,573	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	44,894	88,708	121,083	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	70,215	87,870	100,064	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	27,261	53,418	62,077	No	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	43,846	65,728	68,531	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9161	Emergency Management Directors	59,398	77,181	84,193	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9171	Funeral Home Managers	41,957	57,432	61,613	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	53,025	94,156	121,233	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	33,213	52,595	56,105	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1020	Buyers and Purchasing Agents	32,627	63,863	73,460	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	24,579	71,122	93,919	No	Yes	Yes	Some college, no degree	No	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	48,940	68,590	80,426	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	33,051	60,398	71,722	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	33,722	67,423	84,753	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	36,740	63,920	77,411	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	36,885	79,298	84,068	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	18,388	37,360	51,534	No	No	No	Bachelor's degree	No	No	No
13-1081	Logisticians	35,075	60,479	71,081	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	30,212	101,419	122,473	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	28,330	56,965	77,499	No	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	29,397	70,385	97,827	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1141	Compensation, Benefits, and Job Analysis Specialists	41,607	60,324	69,386	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1151	Training and Development Specialists	33,156	62,657	79,076	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	30,163	62,971	76,955	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	35,086	69,341	82,528	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	35,972	73,087	82,157	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	43,305	59,438	70,408	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2031	Budget Analysts	41,707	60,284	71,932	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	43,644	62,704	75,678	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2052	Personal Financial Advisors	36,873	125,674	194,294	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	42,806	74,373	94,504	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2061	Financial Examiners	45,966	83,210	100,355	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	41,736	48,017	50,789	Yes	Yes	No	Bachelor's degree	Yes	No	No
13-2072	Loan Officers	31,792	60,555	82,943	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	30,452	49,938	52,520	Yes	Yes	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	19,221	47,004	60,945	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	30,015	81,071	94,971	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1211	Computer Systems Analysts	44,147	82,126	101,159	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	59,077	113,622	140,229	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	72,921	119,725	139,864	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	42,471	72,253	83,620	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	30,277	54,980	65,322	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	65,227	101,279	130,676	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	54,883	88,228	101,782	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1245	Database Administrators and Architects	49,616	93,114	120,606	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	43,605	71,788	84,451	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	50,551	105,420	140,917	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	19,552	47,970	57,551	No	Yes	Yes	Associate's degree	No	No	No

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15-1299	Computer Occupations, All Other	33,268	66,840	80,243	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2011	Actuaries	49,339	116,532	143,706	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	70,286	105,365	119,156	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	35,012	81,956	94,031	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
15-2041	Statisticians	29,642	52,525	67,133	Yes	Yes	Yes	Master's degree	No	No	No
15-2098	Data Scientists and Mathematical Science Occupations, All Other	51,495	92,740	118,208	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	64,864	90,031	93,669	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-1012	Landscape Architects	70,134	90,421	106,086	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1021	Cartographers and Photogrammetrists	57,507	114,971	138,246	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1022	Surveyors	30,063	54,686	65,756	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	66,624	109,317	130,304	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	43,641	80,505	99,547	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	62,213	90,944	109,187	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	49,938	97,491	123,278	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	45,772	81,472	97,292	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	48,019	83,794	99,518	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	45,398	97,808	110,537	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	64,339	97,289	115,697	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	34,223	103,595	147,980	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	48,395	80,320	106,031	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	43,218	77,924	93,332	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2121	Marine Engineers and Naval Architects	48,371	80,146	95,814	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	50,856	95,974	116,971	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	51,752	87,283	112,514	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	73,360	117,899	144,315	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	85,904	108,349	122,380	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	73,839	160,382	197,187	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	44,980	72,761	81,976	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-3011	Architectural and Civil Drafters	41,230	52,934	60,129	Yes	Yes	Yes	Associate's degree	Yes	No	No
17-3012	Electrical and Electronics Drafters	23,342	52,143	64,718	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	41,223	66,010	80,167	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	33,482	55,077	63,500	Yes	Yes	Yes	Associate's degree	No	Yes	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	40,637	68,520	88,379	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	34,507	51,829	60,599	Yes	Yes	Yes	Associate's degree	No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	24,694	55,760	72,133	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	33,122	53,032	61,544	Yes	Yes	Yes	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	27,095	43,641	52,243	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	34,290	56,477	74,455	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	31,326	55,217	71,184	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	24,972	39,207	45,083	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	35,113	52,087	62,651	Yes	Yes	Yes	Associate's degree	No	No	No
19-1011	Animal Scientists	41,495	64,658	77,402	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	32,035	58,051	73,061	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	31,775	72,113	97,870	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1021	Biochemists and Biophysicists	44,010	79,727	90,794	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	36,136	62,682	76,524	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	26,912	40,592	46,549	No	No	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	38,012	71,115	91,882	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	33,761	69,428	86,773	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1032	Foresters	46,345	75,725	96,852	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-1041	Epidemiologists	32,843	55,117	68,630	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	52,257	95,372	116,000	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	50,317	104,097	130,553	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	85,495	145,882	165,641	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
19-2012	Physicists	85,495	145,882	165,641	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
19-2021	Atmospheric and Space Scientists	59,079	98,788	116,113	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	43,477	65,877	66,670	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-2032	Materials Scientists	49,569	102,989	133,926	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	35,840	51,318	60,270	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	51,754	90,365	114,805	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	46,814	95,555	112,290	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	47,383	116,931	136,880	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	52,782	94,187	106,233	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	29,450	72,133	95,106	Yes	Yes	Yes	Master's degree	No	No	No
19-3031	Clinical, Counseling, and School Psychologists	38,831	77,252	88,030	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	29,450	72,133	95,106	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	74,956	101,651	112,519	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
19-3041	Sociologists	52,932	75,605	91,713	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	42,198	65,551	77,757	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	32,843	55,117	68,630	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	24,919	58,470	85,864	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	54,558	82,851	97,880	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	19,251	36,406	44,090	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	33,032	52,137	56,344	Yes	Yes	Yes	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	33,557	52,669	62,212	Yes	Yes	Yes	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	31,600	42,774	49,483	Yes	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	26,266	46,465	56,265	No	No	Yes	Associate's degree	No	No	No
19-4051	Nuclear Technicians	70,286	96,104	108,927	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	26,905	53,680	62,243	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	31,156	46,914	56,095	Yes	No	Yes	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	33,684	46,446	51,621	Yes	No	No	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	26,578	51,819	61,792	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	34,455	67,516	90,043	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	30,001	48,352	52,072	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	19,219	52,093	64,941	No	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	27,151	37,371	44,475	No	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	35,055	45,698	52,389	Yes	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	34,769	65,917	69,140	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	23,781	36,226	40,358	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	32,469	42,302	47,575	Yes	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	24,867	53,218	70,082	No	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	29,527	49,009	64,016	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	34,824	51,484	66,141	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	38,102	74,258	89,195	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	32,627	40,154	44,376	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	26,637	38,743	41,764	No	No	No	Some college, no degree	Yes	No	No
21-1094	Community Health Workers	31,955	42,753	48,521	Yes	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	30,751	41,360	47,479	Yes	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	30,635	54,567	62,144	Yes	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	32,529	66,883	77,940	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	19,247	44,079	55,350	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	51,914	138,876	174,603	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
23-1012	Judicial Law Clerks	30,258	51,245	57,971	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	38,771	102,361	125,354	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	25,488	71,135	100,624	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	145,772	187,397	170,951	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	33,536	45,850	51,064	Yes	No	No	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	26,896	34,036	39,440	No	No	No	High school diploma or equivalent	Yes	No	No
23-2099	Legal Support Workers, All Other	23,176	71,290	109,617	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	59,379	108,947	128,128	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	46,595	98,638	123,458	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	42,593	83,020	109,566	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	26,466	90,505	112,939	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	54,050	110,474	135,323	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	55,327	104,357	127,020	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	42,254	89,886	110,065	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	68,899	112,919	132,809	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	47,653	94,966	117,650	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	52,253	87,880	103,798	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	23,382	75,087	88,140	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	48,730	94,547	119,466	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	58,121	92,900	104,975	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	43,321	80,246	97,471	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	59,379	108,947	128,128	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	52,413	87,242	102,760	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	52,882	94,008	105,913	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	41,914	81,434	97,161	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	42,952	81,084	98,868	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	44,060	83,968	111,402	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	57,353	116,412	124,196	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	57,353	116,412	124,196	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	42,363	68,300	81,054	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	43,800	70,865	83,519	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	39,669	89,327	97,261	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	56,085	151,820	201,219	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	36,805	74,607	87,820	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	33,342	98,888	113,109	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	41,515	72,362	85,505	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	31,196	76,613	106,123	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	47,233	85,835	110,624	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	29,101	83,120	95,585	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	45,058	93,449	109,885	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	33,302	67,083	81,354	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	31,665	55,856	66,205	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	22,903	55,766	70,097	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,711	34,930	42,003	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	44,806	61,272	67,376	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2021	Elementary School Teachers, Except Special Education	40,125	60,303	71,277	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	41,932	58,381	66,896	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	29,909	58,920	75,256	Yes	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	43,269	62,870	73,744	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	43,551	65,097	74,069	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	31,985	62,073	78,959	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	40,121	49,261	51,609	Yes	Yes	No	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	40,936	59,508	69,847	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	41,695	62,931	75,386	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	27,963	51,724	62,881	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	28,656	45,120	55,826	No	No	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	19,121	39,170	46,365	No	No	No	Some college, no degree	No	No	No
25-3031	Substitute Teachers, Short-Term	18,901	31,558	34,523	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	20,887	43,046	57,176	No	No	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	27,274	43,461	50,627	No	No	No	Master's degree	No	No	No
25-4012	Curators	32,929	57,055	64,052	Yes	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	22,823	41,176	49,609	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	41,963	59,702	66,883	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	27,407	35,135	39,306	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	19,021	38,192	48,381	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	28,685	53,997	65,814	No	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	19,101	38,052	49,100	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	20,248	27,970	30,850	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	23,412	50,038	63,849	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	43,779	70,204	79,122	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1012	Craft Artists	18,303	32,713	39,280	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,731	51,899	69,427	No	Yes	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	43,580	78,126	101,191	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
27-1019	Artists and Related Workers, All Other	30,318	85,525	104,556	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	33,291	62,892	82,674	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	32,324	62,442	72,212	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	23,309	31,890	36,770	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	31,269	53,683	64,681	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	28,849	59,735	65,442	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	23,008	33,213	37,459	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	22,689	43,141	53,173	No	No	No	Bachelor's degree	No	No	No
27-1029	Designers, All Other	32,035	58,590	67,203	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	21,380	44,151	49,112	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	27,432	77,262	78,231	No	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	20,777	54,510	72,181	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	18,154	28,848	34,081	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	21,043	35,574	49,936	No	No	No	Some college, no degree	No	No	Yes
27-2031	Dancers	20,093	55,215	81,079	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	18,432	38,851	58,999	No	No	Yes	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	29,784	71,264	98,713	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
27-2042	Musicians and Singers	18,910	89,548	125,542	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,911	25,977	30,228	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	19,869	59,438	73,041	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	26,478	49,772	57,551	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	34,611	58,233	65,694	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	19,173	46,582	60,290	No	No	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	42,376	60,780	75,401	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-3043	Writers and Authors	31,124	52,564	68,140	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	45,022	62,947	70,852	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-3092	Court Reporters and Simultaneous Captioners	19,350	51,046	83,889	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	19,101	44,858	55,826	No	No	Yes	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	26,684	43,441	52,438	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	20,988	40,050	49,787	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	23,562	56,395	64,778	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	19,199	40,230	53,467	No	No	No	Some college, no degree	No	No	Yes
27-4031	Camera Operators, Television, Video, and Film	23,372	49,758	61,874	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	28,151	45,925	58,441	No	No	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	24,680	81,094	105,285	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	36,434	119,693	124,873	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	184,895	278,792	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	63,710	234,511	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	89,377	180,551	207,576	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	80,106	214,432	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	57,153	174,952	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	43,744	60,733	71,856	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041	Optometrists	106,523	170,840	216,131	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1051	Pharmacists	68,246	118,278	140,649	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1071	Physician Assistants	85,392	128,540	156,546	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	53,750	132,439	181,609	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	70,193	91,933	103,789	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	57,845	93,141	106,171	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	57,602	84,667	98,239	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	28,182	51,006	60,816	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	52,728	62,443	67,338	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	57,973	91,742	112,073	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	43,497	53,188	59,552	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	53,825	70,409	82,699	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1131	Veterinarians	89,581	105,110	116,516	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	53,019	70,240	80,098	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	135,563	176,399	181,798	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	21,855	67,392	98,818	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	59,028	111,494	131,353	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	44,130	73,610	83,120	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	135,902	270,886	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	123,738	208,492	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	50,876	209,262	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	146,133	235,922	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	168,735	219,638	196,818	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1223	Psychiatrists	46,794	201,119	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	63,345	220,277	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	52,231	275,190	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	67,279	77,312	83,568	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	21,626	67,203	81,014	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	33,532	56,203	65,377	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	18,659	40,600	60,132	No	No	Yes	Associate's degree	No	No	No
29-2032	Diagnostic Medical Sonographers	53,613	72,751	82,855	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	59,568	75,033	84,572	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	41,432	57,738	69,389	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	19,953	54,526	74,568	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	25,601	40,525	48,345	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-2051	Dietetic Technicians	22,960	29,400	31,350	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	24,335	34,552	39,141	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	25,508	32,619	36,913	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	29,902	46,149	53,134	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	27,775	41,053	49,908	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	30,410	40,036	46,440	Yes	No	No	Postsecondary nondegree award	Yes	No	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	39,580	48,484	52,360	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	29,222	48,906	59,783	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2091	Orthotists and Prosthetists	37,064	76,304	90,126	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	33,469	54,178	70,938	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	28,683	39,935	41,319	No	No	No	Postsecondary nondegree award	Yes	No	No
29-9091	Athletic Trainers	19,737	45,748	56,396	No	No	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	59,369	80,535	92,830	Yes	Yes	Yes	Master's degree	Yes	No	No
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	31,294	54,056	71,297	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	21,429	27,592	30,696	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	25,319	31,793	35,887	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	21,217	28,272	31,066	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	25,518	29,959	31,935	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	45,385	68,774	80,582	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	19,450	28,292	32,184	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	44,641	62,482	73,760	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	23,004	30,302	33,839	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	19,808	42,894	50,952	No	No	No	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	34,975	46,106	51,809	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	29,400	38,007	41,218	Yes	No	No	Postsecondary nondegree award	Yes	No	No
31-9093	Medical Equipment Preparers	26,485	34,864	39,799	No	No	No	High school diploma or equivalent	Yes	No	No
31-9094	Medical Transcriptionists	27,892	38,482	43,402	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9095	Pharmacy Aides	20,993	26,224	29,412	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	21,166	28,827	32,890	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	26,965	35,033	39,334	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	25,451	35,269	39,482	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	40,290	82,242	98,494	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	59,499	84,148	97,955	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	54,626	82,944	105,003	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	27,799	41,639	41,703	No	No	No	Some college, no degree	Yes	Yes	No
33-2011	Firefighters	36,224	50,895	59,943	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	34,753	57,388	73,019	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	29,590	34,978	38,212	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	32,813	46,645	54,040	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	31,344	54,383	63,821	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	42,507	65,900	72,811	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	21,167	28,402	30,677	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	27,564	42,793	50,187	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	43,075	63,170	77,389	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	44,918	64,708	76,823	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	27,075	38,691	43,741	No	No	No	Postsecondary nondegree award	No	No	No

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33-9021	Private Detectives and Investigators	33,292	49,239	60,007	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	24,979	34,669	39,290	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	21,747	29,007	31,716	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	20,609	25,735	28,722	No	No	No	No formal educational credential	No	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	19,114	28,470	35,473	No	No	No	No formal educational credential	No	No	Yes
33-9093	Transportation Security Screeners	35,737	42,383	45,248	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	22,058	30,974	34,053	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	43,025	60,015	65,017	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	25,191	42,180	53,825	No	No	No	High school diploma or equivalent	No	Yes	Yes
35-2011	Cooks, Fast Food	19,104	23,824	25,412	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	21,118	30,128	34,594	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2013	Cooks, Private Household	21,007	30,098	35,308	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	21,410	29,922	35,536	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	21,313	26,654	30,046	No	No	No	No formal educational credential	Yes	No	No
35-2019	Cooks, All Other	21,626	30,488	35,857	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	21,528	28,030	31,282	No	No	No	No formal educational credential	Yes	No	No
35-3011	Bartenders	18,619	29,161	40,830	No	No	No	No formal educational credential	No	No	Yes
35-3023	Fast Food and Counter Workers	19,097	26,611	26,395	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,716	27,744	32,705	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	19,077	24,322	26,839	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,659	22,912	25,308	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	20,513	25,214	28,295	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,896	23,592	26,403	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	27,238	32,112	36,095	No	No	No	No formal educational credential	Yes	Yes	Yes
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	26,733	38,999	47,183	No	No	No	High school diploma or equivalent	Yes	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	28,479	44,838	53,840	No	No	No	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	20,145	27,699	30,332	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,102	26,518	30,818	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	21,536	36,426	52,632	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	30,663	39,787	43,854	Yes	No	No	High school diploma or equivalent	Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	22,404	32,767	38,316	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	26,556	36,072	38,926	No	No	No	High school diploma or equivalent	Yes	No	No
37-3013	Tree Trimmers and Pruners	20,084	34,548	44,703	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	33,941	41,036	41,904	Yes	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	36,426	55,926	65,975	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	33,479	56,135	76,232	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	22,359	34,834	39,424	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	19,200	27,765	31,248	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	18,392	25,039	28,252	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	19,660	27,494	31,047	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	20,099	34,589	35,727	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	19,031	29,859	32,723	No	No	No	No formal educational credential	No	Yes	No
39-3031	Ushers, Lobby Attendants, and Ticket Takers	18,773	23,977	28,945	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,644	22,814	25,089	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	27,259	40,730	48,623	No	No	No	High school diploma or equivalent	Yes	No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	19,894	32,417	38,732	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,911	25,977	30,228	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	33,831	56,804	57,882	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	22,821	33,323	36,984	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	30,037	48,169	59,559	Yes	Yes	Yes	Associate's degree	No	No	No
39-5011	Barbers	21,865	31,745	37,773	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	20,461	33,033	36,928	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	36,336	70,526	81,374	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	20,462	26,340	25,021	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	19,221	26,276	30,318	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	26,889	35,713	39,287	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	19,143	27,224	30,670	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	21,998	32,068	37,630	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	21,558	31,303	37,201	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,969	34,759	48,148	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	20,468	44,103	53,261	No	No	No	Postsecondary nondegree award	No	Yes	Yes
39-9032	Recreation Workers	20,683	31,982	37,963	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	20,476	27,083	29,706	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	20,132	34,745	44,086	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	29,406	52,485	59,646	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	40,053	81,090	99,324	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,696	24,429	26,147	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,951	28,562	35,308	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	20,710	33,749	35,479	No	No	No	No formal educational credential	No	Yes	Yes
41-2022	Parts Salespersons	21,714	42,525	41,256	No	No	No	High school diploma or equivalent	No	Yes	No
41-2031	Retail Salespersons	19,983	31,758	31,504	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	20,054	50,652	57,748	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	30,724	55,611	63,766	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	36,967	71,131	78,501	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	19,571	43,999	57,261	No	No	Yes	Some college, no degree	No	Yes	Yes

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41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	29,332	63,219	76,333	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	34,760	74,612	72,911	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	29,679	66,146	82,096	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	18,310	22,366	21,953	No	No	No	No formal educational credential	No	No	No
41-9012	Models	20,658	39,160	49,249	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	24,026	42,424	57,948	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	18,872	62,018	69,007	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	63,483	103,143	120,230	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	27,623	34,563	39,059	No	No	No	High school diploma or equivalent	Yes	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	18,762	27,514	29,889	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	19,908	28,444	30,705	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	33,878	56,244	66,982	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	21,176	34,677	39,181	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	24,081	31,346	32,563	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	29,470	40,787	48,221	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	29,074	38,228	40,994	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	32,404	39,268	42,019	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	25,482	43,078	50,723	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	19,800	27,903	31,536	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	19,173	44,707	52,685	No	No	No	Some college, no degree	No	Yes	Yes
43-3061	Procurement Clerks	29,826	45,338	55,870	Yes	No	Yes	Associate's degree	No	No	No
43-3071	Tellers	28,793	35,849	39,505	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	30,577	46,744	54,648	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	36,774	51,244	60,185	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	29,220	41,785	48,591	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	28,027	40,876	46,348	No	No	No	Some college, no degree	Yes	Yes	No
43-4041	Credit Authorizers, Checkers, and Clerks	28,402	43,232	49,599	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	23,900	35,724	39,985	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	26,983	35,431	42,048	No	No	No	High school diploma or equivalent	Yes	No	No
43-4071	File Clerks	20,310	33,182	39,490	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	20,427	26,958	30,274	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	25,360	34,666	39,583	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	19,999	28,372	31,715	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	41,259	52,657	61,195	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	29,729	40,617	46,196	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	23,711	32,475	36,105	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	28,160	43,525	56,728	No	No	Yes	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	23,166	32,814	38,317	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	23,664	33,427	38,301	No	No	No	High school diploma or equivalent	No	No	No
43-4199	Information and Record Clerks, All Other	22,202	39,190	44,310	No	No	No	High school diploma or equivalent	No	No	No
43-5011	Cargo and Freight Agents	22,887	36,589	47,654	No	No	No	High school diploma or equivalent	No	No	No
43-5021	Couriers and Messengers	22,698	29,715	32,128	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	30,953	42,582	48,746	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	31,378	38,388	41,494	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5041	Meter Readers, Utilities	26,445	45,979	59,604	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5051	Postal Service Clerks	37,763	52,136	62,994	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,063	53,152	65,034	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	35,392	48,893	61,606	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	31,245	46,077	53,831	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	24,619	33,181	37,672	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	26,312	31,748	35,300	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	34,636	50,895	60,664	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	32,336	46,953	58,890	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	27,108	35,752	39,743	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	23,598	37,174	44,652	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	25,755	35,610	41,255	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	20,269	32,783	39,130	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	28,711	52,812	57,712	No	Yes	Yes	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	32,558	41,741	47,741	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	24,095	37,176	47,013	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	19,498	35,352	40,482	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	20,318	33,322	38,731	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	26,556	42,244	56,006	No	No	Yes	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	32,733	55,197	67,632	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	23,552	41,685	49,329	No	No	No	Some college, no degree	No	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	37,595	50,796	55,696	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	20,468	37,234	47,104	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	21,825	39,689	45,627	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	25,588	33,831	37,982	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	23,133	33,482	38,272	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	20,392	23,648	24,438	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	18,816	24,014	24,821	No	No	No	No formal educational credential	No	No	No

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45-2099	Agricultural Workers, All Other	19,620	28,941	29,240	No	No	No	No formal educational credential	No	No	No
45-3031	Fishing and Hunting Workers	20,937	32,174	41,236	No	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	36,166	41,296	44,868	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	27,364	37,483	41,106	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	18,752	36,176	46,066	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	23,043	33,262	38,731	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	19,690	47,293	59,568	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	41,908	63,207	74,542	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	34,998	51,794	60,776	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	26,236	40,094	47,517	No	No	No	High school diploma or equivalent	No	No	No
47-2022	Stonemasons	32,843	39,469	43,491	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	23,628	39,673	49,775	No	No	No	Postsecondary nondegree award	No	No	Yes
47-2041	Carpet Installers	18,682	32,543	41,984	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	23,971	39,918	51,994	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	26,107	35,727	40,807	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	28,801	40,065	46,588	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	28,165	37,824	43,699	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	33,951	44,699	50,267	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	25,739	37,645	42,581	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	26,685	37,483	40,358	No	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	33,601	50,547	60,217	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	33,514	41,899	47,705	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	19,918	36,429	44,189	No	No	No	No formal educational credential	No	Yes	Yes
47-2082	Tapers	18,871	41,036	50,287	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	32,783	44,712	50,625	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	26,683	36,627	44,355	No	No	No	High school diploma or equivalent	Yes	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	27,394	39,310	46,216	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	29,200	39,809	46,046	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	29,839	38,062	39,913	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	32,953	47,782	61,165	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	33,609	42,413	48,091	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	32,803	43,515	49,806	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	22,201	33,271	41,605	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	31,565	45,377	52,183	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	19,175	36,179	45,915	No	No	No	No formal educational credential	No	Yes	Yes
47-2211	Sheet Metal Workers	27,716	39,858	47,810	No	No	No	High school diploma or equivalent	Yes	No	No
47-2221	Structural Iron and Steel Workers	25,887	35,004	40,305	No	No	No	High school diploma or equivalent	No	No	No
47-2231	Solar Photovoltaic Installers	25,458	36,036	40,308	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	18,508	28,396	43,181	No	No	No	No formal educational credential	No	No	Yes
47-3012	Helpers--Carpenters	23,662	34,621	39,608	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	24,701	32,822	37,758	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	20,658	28,172	32,823	No	No	No	No formal educational credential	No	No	No
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	27,016	35,018	42,112	No	No	No	High school diploma or equivalent	Yes	No	No
47-3016	Helpers--Roofers	31,759	35,903	38,800	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	23,013	31,526	36,266	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	40,384	58,707	66,874	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	41,345	77,502	97,581	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	25,678	38,411	47,184	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	26,965	39,719	47,104	No	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	26,884	35,723	41,350	No	No	No	High school diploma or equivalent	Yes	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	34,180	48,052	55,097	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	25,737	38,192	41,236	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	30,335	53,541	68,341	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-5011	Derrick Operators, Oil and Gas	23,652	34,230	40,028	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	34,300	45,178	51,135	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	24,889	54,099	69,927	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	26,147	41,166	47,722	No	No	No	High school diploma or equivalent	No	No	No
47-5041	Continuous Mining Machine Operators	36,226	57,652	68,779	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	36,226	57,652	68,779	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	30,607	37,424	39,719	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	34,300	45,178	51,135	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	23,652	34,230	40,028	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	26,406	45,766	53,211	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	35,597	56,674	72,681	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	40,904	63,003	69,304	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	33,364	44,536	49,971	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	31,286	57,632	73,520	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	36,398	61,061	76,730	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	34,000	58,790	71,434	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	28,252	43,282	51,215	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	33,751	54,968	69,238	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	35,018	54,778	64,528	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	42,373	71,654	90,994	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	25,488	37,972	45,307	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	24,220	43,910	55,736	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	33,736	44,637	50,297	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	23,249	48,635	60,135	No	Yes	Yes	Associate's degree	No	No	No
49-3021	Automotive Body and Related Repairers	32,051	70,109	72,809	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	21,835	37,424	43,152	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	22,534	42,959	50,551	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	29,348	45,533	55,500	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	33,479	42,772	49,448	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	35,049	49,317	57,384	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	36,505	55,986	63,500	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	33,946	55,601	68,507	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	25,608	36,805	43,321	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	29,198	39,596	44,558	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	22,304	30,029	34,160	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	28,280	48,826	62,146	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	20,267	30,989	37,765	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	24,280	40,238	47,333	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	28,050	37,745	43,842	No	No	No	Postsecondary nondegree award	Yes	No	No
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	30,099	45,063	52,176	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	26,426	40,477	48,391	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9041	Industrial Machinery Mechanics	30,266	47,618	57,829	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	31,373	51,370	63,303	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9044	Millwrights	32,094	50,078	61,754	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	23,901	33,881	38,431	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	33,941	59,478	77,332	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	32,418	48,414	53,683	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	19,410	41,455	54,878	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	27,462	43,413	54,432	No	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	23,702	35,248	40,178	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	21,895	43,721	54,299	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	38,302	56,774	65,067	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	26,392	42,232	49,503	No	No	No	High school diploma or equivalent	No	Yes	No
49-9081	Wind Turbine Service Technicians	44,948	73,600	89,417	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	19,510	30,777	37,214	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	33,871	50,257	51,046	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	19,007	33,566	40,283	No	No	No	High school diploma or equivalent	No	No	No
49-9095	Manufactured Building and Mobile Home Installers	21,316	29,340	32,064	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	32,543	38,781	43,536	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-9097	Signal and Track Switch Repairers	39,629	66,185	79,677	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	23,017	33,031	38,200	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	27,684	40,585	48,698	No	No	No	High school diploma or equivalent	Yes	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	36,811	60,304	68,873	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	19,231	41,236	53,281	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	18,732	35,777	49,918	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	19,608	31,356	37,024	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	25,558	30,278	31,765	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	26,012	37,903	45,750	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	31,782	39,175	44,647	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	24,127	35,428	41,140	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	22,010	29,673	31,991	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	20,677	32,752	38,928	No	No	No	No formal educational credential	No	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	24,130	32,131	37,431	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	22,374	28,572	31,366	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	25,588	33,831	37,982	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	19,790	30,368	35,098	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	19,440	28,053	32,573	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	21,157	27,314	30,637	No	No	No	No formal educational credential	Yes	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	26,196	33,040	37,706	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	26,416	35,677	39,479	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	21,720	29,781	35,443	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	21,976	30,871	36,762	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	33,462	55,037	67,203	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24,194	33,368	38,004	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	23,043	38,052	44,739	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	33,761	44,469	50,467	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

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51-4041	Machinists	26,557	40,546	47,359	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	30,657	42,373	49,279	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
51-4052	Pourers and Casters, Metal	26,216	41,385	49,609	No	No	No	High school diploma or equivalent	No	No	Yes
51-4061	Model Makers, Metal and Plastic	33,462	55,037	67,203	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	29,869	53,241	62,862	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	21,456	37,683	47,822	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	20,920	34,435	45,225	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	24,952	39,691	49,138	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	34,691	51,436	60,752	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	30,277	43,597	49,502	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	25,198	35,597	40,876	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	22,384	34,839	40,068	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	28,681	45,766	56,934	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	28,542	38,871	42,074	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	26,276	35,937	39,819	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	21,267	34,210	38,891	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	22,747	36,646	40,398	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	23,633	35,371	39,742	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	20,361	31,563	41,248	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,335	22,367	24,537	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	19,111	24,420	27,723	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	18,807	27,200	32,240	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	19,770	30,937	37,234	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	19,031	29,799	35,956	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	21,157	28,482	33,931	No	No	No	No formal educational credential	Yes	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	22,120	35,577	46,249	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	25,747	31,047	35,308	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	21,137	31,326	36,765	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	19,031	26,396	30,059	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	21,037	45,158	70,296	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	38,042	68,779	81,942	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	18,792	29,550	31,436	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	22,264	34,693	40,894	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	18,672	27,504	33,601	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	25,751	37,152	44,332	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	18,829	33,616	44,790	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood	29,869	53,241	62,862	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	21,716	30,717	34,160	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	29,348	40,026	45,059	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-7099	Woodworkers, All Other	22,793	40,757	56,734	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	70,286	96,104	108,927	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	50,736	81,214	101,812	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	44,948	73,600	89,417	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	38,970	58,181	65,666	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	32,609	46,609	54,432	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	31,805	51,864	63,131	Yes	Yes	Yes	Associate's degree	No	No	No
51-8092	Gas Plant Operators	33,032	47,862	57,492	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	30,338	51,195	59,588	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	39,110	59,788	64,039	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	26,705	44,629	56,445	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	28,209	46,856	60,991	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	29,449	37,762	41,629	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9022	Grinding and Polishing Workers, Hand	23,013	33,492	37,952	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	23,575	34,246	39,877	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	20,957	35,378	42,164	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	23,184	32,654	37,812	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	23,801	33,921	38,531	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	22,973	32,893	37,863	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	26,457	40,642	47,923	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	22,655	40,345	57,622	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-9081	Dental Laboratory Technicians	21,676	30,776	36,423	No	No	No	Postsecondary nondegree award	No	No	No
51-9082	Medical Appliance Technicians	25,528	46,056	54,119	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	26,577	32,788	35,611	No	No	No	High school diploma or equivalent	Yes	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	22,516	38,727	49,452	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	19,680	32,783	42,274	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	23,647	36,811	41,960	No	No	No	High school diploma or equivalent	No	No	No
51-9141	Semiconductor Processing Technicians	28,332	41,735	48,930	No	No	No	High school diploma or equivalent	Yes	No	No

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51-9151	Photographic Process Workers and Processing Machine Operators	24,141	41,944	50,267	No	No	No	High school diploma or equivalent	No	No	Yes
51-9161	Computer Numerically Controlled Tool Operators	25,621	39,162	45,702	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	38,809	55,113	63,035	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
51-9191	Adhesive Bonding Machine Operators and Tenders	21,536	34,619	41,954	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	23,891	34,629	39,779	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	21,666	37,074	45,806	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	18,652	26,665	33,142	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	19,578	35,658	41,694	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	25,678	36,735	41,336	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	26,176	37,663	45,727	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	22,434	28,032	30,644	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	22,655	33,076	38,724	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	34,729	63,520	78,849	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	32,731	51,625	62,380	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	97,980	229,261	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	42,438	94,377	153,679	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	69,368	122,400	151,690	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	25,368	46,535	60,287	No	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	30,737	58,121	67,133	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	21,875	29,120	31,605	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,955	25,340	25,907	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	21,967	40,729	49,476	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	21,975	38,035	45,556	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	26,393	33,349	37,740	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	22,947	32,296	37,622	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,806	35,423	47,232	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	53,441	67,103	73,919	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	53,930	67,761	77,132	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	34,689	56,674	67,752	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	53,930	67,761	77,132	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	22,344	42,104	59,339	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	28,911	55,237	72,103	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	23,791	41,066	48,661	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	22,314	80,945	105,554	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	19,939	43,830	55,836	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	32,833	73,240	89,717	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	25,638	39,859	48,940	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	18,887	24,152	27,031	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	20,149	27,743	31,186	No	No	No	No formal educational credential	No	No	No
53-6041	Traffic Technicians	28,060	43,906	52,170	No	No	No	Associate's degree	No	No	No
53-6051	Transportation Inspectors	52,523	92,291	122,230	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	18,762	24,540	26,456	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	27,119	33,961	37,641	No	No	No	High school diploma or equivalent	Yes	No	No
53-7011	Conveyor Operators and Tenders	19,969	33,901	40,667	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	28,116	52,743	69,398	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	34,070	48,082	55,826	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	26,925	41,475	43,591	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	22,245	35,825	42,934	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	19,184	27,365	32,742	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	22,261	31,716	37,453	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	19,969	32,404	38,731	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,096	23,259	24,877	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	21,562	28,698	32,059	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	35,058	65,077	78,240	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	20,259	40,647	48,421	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	25,029	39,709	48,790	No	No	No	High school diploma or equivalent	No	No	No
53-7081	Refuse and Recyclable Material Collectors	27,191	37,963	43,345	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,969	33,901	40,667	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	22,694	42,523	54,099	No	No	No	No formal educational credential	Yes	Yes	Yes

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11-1011	Chief Executives	19,120	98,467	135,773	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1021	General and Operations Managers	37,490	75,141	90,930	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	19,171	62,582	110,664	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-2011	Advertising and Promotions Managers	43,530	99,268	115,279	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	28,973	81,489	103,902	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2022	Sales Managers	44,706	108,742	135,211	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	49,441	99,644	116,068	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	46,225	76,431	94,677	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	69,489	100,929	118,239	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	45,558	92,477	119,672	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	38,661	105,958	124,503	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	55,155	105,582	131,020	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	45,635	102,075	114,692	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	59,137	95,590	113,269	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	47,134	86,270	103,072	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	52,293	97,940	119,548	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	33,152	71,273	75,561	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
11-9021	Construction Managers	39,449	75,317	82,875	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	40,692	49,445	54,526	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9032	Education Administrators, Kindergarten through Secondary	38,208	82,993	104,025	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9033	Education Administrators, Postsecondary	42,328	87,858	104,102	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	37,969	71,345	89,132	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9041	Architectural and Engineering Managers	76,754	127,119	150,547	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	30,261	50,759	66,632	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	41,323	78,951	86,827	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	44,201	60,137	62,503	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9111	Medical and Health Services Managers	61,484	127,440	137,853	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	46,526	84,602	104,596	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	64,358	79,283	87,464	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	40,831	50,504	52,899	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9151	Social and Community Service Managers	29,599	62,608	67,063	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9161	Emergency Management Directors	43,395	74,287	89,957	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	37,789	73,489	89,921	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	44,119	84,888	97,307	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes										
13-1020	Buyers and Purchasing Agents	26,986	48,068	58,479	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	34,758	58,877	72,430	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	43,987	61,649	72,287	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	31,365	57,018	68,177	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	27,672	51,874	60,820	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	29,325	48,077	54,451	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	33,152	71,273	75,561	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	16,980	52,841	71,650	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	32,210	61,855	77,920	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1111	Management Analysts	34,203	62,144	91,732	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1121	Meeting, Convention, and Event Planners	22,882	45,153	54,948	No	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	24,846	50,177	62,456	No	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	31,008	51,594	60,348	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	22,558	40,335	48,690	No	No	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	23,777	52,722	61,751	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	24,081	60,840	79,595	No	Yes	Yes	Bachelor's degree	No	No	Yes
13-2011	Accountants and Auditors	41,626	71,839	87,078	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2020	Property Appraisers and Assessors	23,411	49,782	62,088	No	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	40,642	66,672	80,216	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2041	Credit Analysts	41,162	74,475	88,863	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	27,833	92,253	113,386	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	30,999	62,896	79,920	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2061	Financial Examiners	41,314	74,789	90,199	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	29,806	45,082	47,764	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2072	Loan Officers	43,206	62,463	72,600	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	25,411	43,629	50,562	No	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	17,276	42,247	54,778	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	26,883	43,158	48,538	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	38,292	56,646	61,683	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1212	Information Security Analysts	46,508	85,383	108,264	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	65,542	107,609	125,710	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	32,721	44,277	55,097	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	21,507	37,081	45,879	No	No	No	Postsecondary nondegree award	No	No	Yes
15-1241	Computer Network Architects	54,392	97,070	118,140	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	42,628	62,857	75,526	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1245	Database Administrators and Architects	38,323	74,413	80,565	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	41,180	71,820	88,782	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	48,714	89,724	110,453	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	30,156	60,824	75,301	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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15-1299	Computer Occupations, All Other	27,979	50,959	50,216	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2011	Actuaries	44,346	104,739	129,164	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians										
15-2031	Operations Research Analysts	32,004	63,362	80,629	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-2041	Statisticians	26,470	64,833	85,481	Yes	Yes	Yes	Master's degree	No	No	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	46,284	83,355	106,246	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	41,880	75,094	91,222	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	38,498	64,833	81,606	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1021	Cartographers and Photogrammetrists	39,422	60,877	72,314	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	23,646	51,156	71,774	No	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	59,882	98,254	117,117	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers										
17-2031	Bioengineers and Biomedical Engineers	55,917	81,741	98,137	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	44,884	87,625	110,803	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	55,151	83,348	98,571	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	57,038	92,038	111,547	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	50,907	98,006	123,966	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	59,586	91,805	107,098	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	37,126	73,507	90,567	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	42,211	74,915	92,899	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	47,952	77,471	92,845	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	43,476	72,036	86,118	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	45,710	86,262	105,134	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	46,059	80,458	100,281	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	65,936	105,968	129,711	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	77,211	97,384	109,995	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	66,367	144,152	177,232	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	46,086	88,361	111,619	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	38,640	53,236	60,785	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	20,980	46,867	58,169	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3013	Mechanical Drafters	31,851	54,464	66,753	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	30,093	49,504	57,074	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	36,525	61,586	79,436	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	27,725	46,660	58,061	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	28,757	54,042	67,327	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	29,770	47,665	55,316	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	24,353	39,224	46,956	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	30,802	49,172	58,384	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	28,156	49,629	63,981	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	32,130	38,264	39,056	Yes	No	No	Associate's degree	Yes	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	33,923	53,666	63,784	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	37,296	58,115	69,569	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	28,793	52,177	65,667	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	28,560	64,815	87,966	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1021	Biochemists and Biophysicists	39,556	71,659	81,606	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	32,479	56,339	68,780	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	29,089	47,629	53,603	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	37,107	66,907	81,442	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1031	Conservation Scientists	30,344	62,402	77,992	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1032	Foresters	41,655	68,062	87,051	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1041	Epidemiologists	29,519	49,540	61,685	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	37,179	78,871	93,572	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	45,225	93,563	117,342	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	76,843	131,119	148,879	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
19-2012	Physicists	76,843	131,119	148,879	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
19-2021	Atmospheric and Space Scientists	53,101	88,791	104,362	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	32,542	58,258	71,596	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	44,552	92,567	120,373	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	34,143	58,616	68,284	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	46,517	81,221	103,187	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	42,077	85,885	100,927	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	42,588	105,098	123,028	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	47,441	84,656	95,482	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	26,470	64,833	85,481	Yes	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	34,901	69,434	79,122	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	26,470	64,833	85,481	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	41,359	87,849	103,654	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists										
19-3051	Urban and Regional Planners	37,628	63,990	77,148	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	29,519	49,540	61,685	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	22,397	52,553	77,175	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	49,037	74,466	87,975	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	17,303	32,721	39,628	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	31,515	46,458	52,561	Yes	Yes	Yes	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	28,138	45,719	55,137	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
19-4042	Environmental Science and Protection Technicians, Including Health	23,465	41,862	47,853	No	Yes	Yes	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	23,608	41,763	50,571	No	Yes	Yes	Associate's degree	No	No	No
19-4051	Nuclear Technicians	63,174	86,378	97,904	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	24,182	48,248	55,944	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	28,003	42,167	50,419	Yes	Yes	Yes	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	30,434	48,948	58,393	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	18,845	43,171	54,329	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	29,715	52,619	65,143	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	24,245	45,073	58,438	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	32,866	50,989	60,667	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	26,873	38,085	44,813	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	19,949	31,654	36,659	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	26,205	48,987	60,267	No	Yes	Yes	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	21,375	32,560	36,273	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	27,146	43,410	55,817	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	28,820	53,913	66,539	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	20,996	34,021	44,765	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	31,313	47,333	59,855	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	29,965	39,622	42,034	Yes	No	No	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	30,738	39,512	43,592	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	20,948	33,443	40,510	No	No	No	Some college, no degree	Yes	Yes	Yes
21-1094	Community Health Workers	23,617	37,664	44,373	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	27,265	46,921	65,040	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-2011	Clergy	31,304	47,616	58,730	Yes	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	22,980	41,987	50,580	No	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	17,608	39,018	51,728	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	53,061	100,919	104,033	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	27,196	46,059	52,105	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	34,847	92,002	112,668	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	22,909	63,936	90,441	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	131,020	168,433	153,651	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	27,195	45,439	56,160	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
23-2093	Title Examiners, Abstractors, and Searchers	51,852	56,402	61,307	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	23,922	51,988	55,540	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	53,370	97,922	115,162	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	41,880	88,657	110,964	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	38,283	74,619	98,478	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	23,788	81,346	101,510	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	48,580	99,295	121,629	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	49,728	93,796	114,166	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	37,978	80,790	98,927	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary										
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	42,830	85,356	105,744	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	46,965	78,987	93,294	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	21,016	67,488	79,220	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	43,799	84,979	107,376	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	52,240	83,499	94,352	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	38,937	72,125	87,607	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	53,370	97,922	115,162	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary										
25-1065	Political Science Teachers, Postsecondary	47,530	84,495	95,195	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	37,673	73,193	87,329	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	38,606	72,879	88,863	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	39,601	75,471	100,129	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	51,549	104,632	111,628	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	51,549	104,632	111,628	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	38,076	61,389	72,852	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary										
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	35,655	80,288	87,419	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	50,410	136,456	180,856	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	33,080	67,057	78,933	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	29,968	88,881	101,663	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	37,314	65,039	76,852	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	28,039	68,860	95,384	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	42,454	77,148	99,429	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	26,156	74,709	85,912	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	40,498	83,992	98,765	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	29,932	60,294	73,121	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	28,461	50,203	59,505	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	20,585	50,123	63,003	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,369	27,851	33,330	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	32,120	51,953	61,999	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	35,230	49,429	57,569	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	34,552	50,132	58,481	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	26,882	52,957	67,641	Yes	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	36,558	51,322	60,674	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	39,144	58,509	66,573	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	28,748	55,792	70,968	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	36,713	57,361	69,273	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	36,794	53,486	62,779	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	37,475	56,563	67,757	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	25,133	46,490	56,518	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	28,479	42,238	52,150	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	19,648	40,513	49,214	No	No	Yes	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	16,944	26,568	27,941	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	18,213	24,080	23,586	No	No	No	Bachelor's degree	No	No	No
25-4011	Archivists	24,514	39,063	45,503	No	No	No	Master's degree	No	No	No
25-4012	Curators	25,958	49,513	56,357	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	20,514	37,009	44,588	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	41,028	51,229	58,585	Yes	Yes	Yes	Master's degree	Yes	No	No
25-4031	Library Technicians	22,891	33,242	36,830	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	19,954	37,633	48,646	No	No	Yes	Master's degree	No	No	No
25-9031	Instructional Coordinators	32,317	49,876	60,681	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	17,168	34,201	44,131	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	18,304	21,131	22,511	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	21,043	44,974	57,388	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	42,059	85,966	92,765	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	16,450	29,403	35,305	No	No	No	Some college, no degree	No	Yes	Yes
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	17,240	42,534	56,949	No	Yes	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	38,283	59,030	70,161	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	27,250	76,870	93,976	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	35,771	60,626	70,789	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	29,053	56,123	64,905	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	19,375	28,533	32,928	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	23,459	36,950	41,013	No	No	No	Bachelor's degree	No	No	No
27-1025	Interior Designers	21,967	47,817	56,742	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	21,150	28,522	30,475	No	No	No	Some college, no degree	Yes	No	No
27-1027	Set and Exhibit Designers	20,280	44,140	54,814	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	28,793	52,661	60,402	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	19,217	39,683	44,142	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	29,501	65,676	77,606	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-2021	Athletes and Sports Competitors	16,791	63,685	74,915	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	23,164	70,705	58,123	No	Yes	Yes	Bachelor's degree	No	Yes	No
27-2023	Umpires, Referees, and Other Sports Officials	16,809	35,278	42,104	No	No	No	Some college, no degree	No	Yes	Yes
27-2031	Dancers	18,060	49,628	72,874	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers										
27-2041	Music Directors and Composers	16,899	59,263	68,923	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	16,997	80,486	112,837	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	16,998	23,348	27,169	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	17,859	53,424	65,649	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	25,833	56,859	65,954	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	24,170	46,866	51,326	No	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	22,092	49,773	58,177	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	30,856	56,186	69,192	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	25,492	61,200	64,035	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	20,917	49,010	62,698	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	17,392	45,880	75,399	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	17,168	40,319	50,177	No	No	Yes	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	24,496	44,750	54,975	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4012	Broadcast Technicians	19,787	41,915	51,172	No	Yes	Yes	Associate's degree	No	No	Yes
27-4014	Sound Engineering Technicians	21,177	50,688	58,222	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	17,213	32,820	36,309	No	No	No	Some college, no degree	No	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	21,007	44,723	55,612	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	28,595	48,418	58,339	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	22,182	72,888	94,630	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	65,057	84,051	98,141	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	49,362	163,533	212,842	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	57,263	210,779	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	80,333	162,280	186,570	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists										
29-1029	Dentists, All Other Specialists	51,369	157,248	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	31,080	59,395	68,005	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	40,561	95,482	120,266	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	99,624	137,908	140,254	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1071	Physician Assistants	57,559	97,608	117,844	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	48,311	119,037	163,231	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	55,649	86,642	103,435	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	66,651	87,483	100,412	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	51,773	76,099	88,298	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	25,330	45,844	54,661	No	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	44,212	59,525	65,122	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	49,182	82,425	101,946	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	31,869	48,571	59,640	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	28,488	46,212	54,087	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	52,805	101,071	113,027	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	51,182	67,242	77,657	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
29-1151	Nurse Anesthetists	121,844	158,548	163,401	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	19,644	60,572	88,818	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	44,038	103,974	141,227	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	39,664	66,161	74,709	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	122,149	243,474	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	85,060	183,332	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	45,728	188,086	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	111,870	220,269	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	52,769	141,963	176,900	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
29-1223	Psychiatrists	42,059	180,766	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	155,825	257,551	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	46,651	219,605	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	48,557	68,150	77,903	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	19,437	60,402	72,816	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	28,012	62,300	80,262	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	23,420	44,445	60,940	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2032	Diagnostic Medical Sonographers	43,055	61,003	70,717	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	51,701	68,376	77,121	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	37,334	55,109	63,941	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	42,301	60,007	70,053	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	22,628	34,976	39,620	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	18,576	26,801	29,008	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	25,405	33,095	38,069	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2053	Psychiatric Technicians	20,379	29,699	33,914	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	29,026	41,897	48,948	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	21,017	26,210	29,256	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	24,568	36,731	43,306	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	32,292	43,461	49,655	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	20,917	38,032	50,553	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	33,313	68,582	81,005	Yes	Yes	Yes	Master's degree	No	Yes	No
29-2092	Hearing Aid Specialists	26,102	56,823	65,640	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	25,885	34,436	38,102	No	No	No	Postsecondary nondegree award	Yes	No	No
29-9091	Athletic Trainers	29,869	43,817	49,755	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	53,361	72,385	83,436	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	32,890	47,585	51,354	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	19,477	24,490	26,393	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	20,967	27,132	30,665	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	19,070	25,411	27,923	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	22,936	26,927	28,703	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	60,011	82,669	96,647	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides										
31-2021	Physical Therapist Assistants	37,850	62,205	75,510	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	18,655	22,910	24,837	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	17,733	36,354	44,893	No	No	No	Postsecondary nondegree award	No	No	Yes
31-9091	Dental Assistants	22,456	40,329	47,987	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
31-9092	Medical Assistants	22,284	32,257	37,602	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	21,671	30,640	35,143	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	18,442	30,407	34,973	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	19,312	29,232	34,928	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	18,926	26,891	31,466	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	26,539	31,761	34,900	Yes	No	No	Postsecondary nondegree award	Yes	No	No
31-9099	Healthcare Support Workers, All Other	20,196	29,893	36,372	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	30,811	42,974	44,319	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	50,774	67,191	75,652	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	44,495	57,613	66,030	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	24,137	43,081	53,334	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	27,322	38,919	46,014	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	39,395	55,558	59,774	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	26,595	31,439	34,345	Yes	No	No	Some college, no degree	Yes	Yes	Yes
33-3011	Bailiffs	29,492	41,924	48,571	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,752	36,073	36,215	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	36,042	50,751	57,967	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	19,025	25,528	27,573	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	24,774	38,462	45,109	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	34,707	46,164	51,689	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	40,373	58,160	69,049	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	27,160	33,906	38,366	Yes	No	No	Postsecondary nondegree award	Yes	No	No

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33-9021	Private Detectives and Investigators	29,923	44,256	53,935	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	22,451	31,161	35,314	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	21,884	28,704	31,930	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	20,060	24,956	26,791	No	No	No	No formal educational credential	Yes	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	17,419	25,860	28,407	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	32,120	38,094	40,669	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	18,585	31,340	36,031	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	23,565	46,920	57,887	No	Yes	Yes	Associate's degree	No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	21,798	35,629	45,237	No	No	No	High school diploma or equivalent	No	No	Yes
35-2011	Cooks, Fast Food	18,614	21,568	21,742	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	18,915	24,134	28,124	No	No	No	No formal educational credential	No	No	No
35-2013	Cooks, Private Household	18,881	27,053	31,735	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	20,114	29,474	33,694	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	17,643	23,824	27,232	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	19,437	27,402	32,228	No	No	No	No formal educational credential	No	Yes	Yes
35-2021	Food Preparation Workers	18,988	24,094	27,546	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,696	22,643	20,769	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,630	21,519	22,854	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,733	26,347	30,084	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	19,410	22,281	23,806	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	16,836	20,810	22,227	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	18,751	22,447	24,082	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	16,899	21,240	23,070	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	16,971	24,667	27,573	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	26,529	38,837	44,609	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	25,402	52,475	64,259	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,502	27,658	30,272	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,178	23,607	24,685	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	19,357	32,739	47,306	No	No	Yes	No formal educational credential	No	Yes	Yes
37-2021	Pest Control Workers	23,149	32,410	33,131	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	20,850	30,251	36,249	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21,373	30,048	36,003	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	19,940	32,399	40,776	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	23,483	32,147	35,556	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	32,739	50,266	59,299	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	24,759	36,469	40,243	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	19,617	35,672	41,009	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	20,779	27,275	29,399	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	16,531	22,505	25,393	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	17,670	24,712	27,905	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	18,065	31,089	32,112	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	17,105	26,837	29,412	No	No	No	No formal educational credential	No	No	No
39-3031	Ushers, Lobby Attendants, and Ticket Takers	17,096	22,855	25,375	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	19,227	23,923	24,383	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	23,492	50,499	65,802	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	17,455	24,810	28,281	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	16,998	23,348	27,169	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	30,407	51,056	52,024	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
39-4021	Funeral Attendants	19,105	26,882	28,407	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	28,407	49,235	54,993	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
39-5011	Barbers	19,653	28,533	33,950	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	18,551	24,213	25,915	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	32,659	63,389	73,139	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	18,191	24,254	26,712	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	17,276	23,617	27,250	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	18,899	32,372	37,377	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	16,890	22,397	25,555	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	18,890	26,021	28,891	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	19,796	29,349	32,183	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	18,283	21,384	23,104	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	17,204	34,506	43,718	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	19,797	30,242	34,835	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	21,440	25,179	25,564	No	No	No	Some college, no degree	Yes	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	16,899	25,312	28,021	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	27,215	38,265	42,157	Yes	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	42,972	63,665	72,598	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,306	23,748	25,727	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	17,033	25,671	31,735	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	21,022	31,014	36,046	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	19,868	33,911	37,295	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,240	27,025	29,101	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	19,859	50,777	65,730	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	19,076	47,417	55,350	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	34,541	57,758	60,559	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	17,930	36,247	44,570	No	No	No	Some college, no degree	No	Yes	Yes

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41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	28,869	58,871	76,007	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	24,961	63,052	94,558	No	Yes	Yes	Bachelor's degree	No	No	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	25,344	70,309	99,188	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	18,567	35,197	44,265	No	No	No	No formal educational credential	No	Yes	Yes
41-9012	Models										
41-9021	Real Estate Brokers	23,985	59,936	62,393	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9022	Real Estate Sales Agents	17,930	54,823	63,380	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	50,329	100,165	129,352	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	17,661	24,945	27,438	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	16,863	24,729	26,864	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	18,253	32,390	34,928	No	No	No	Some college, no degree	No	Yes	Yes
43-1011	First-Line Supervisors of Office and Administrative Support Workers	28,203	48,172	59,674	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	21,139	26,558	30,133	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	21,644	28,174	29,268	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	26,488	36,659	43,342	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	23,868	33,645	36,839	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	25,940	32,469	36,848	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	21,627	35,089	41,149	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	17,796	25,079	28,344	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	23,024	40,789	52,543	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	25,882	32,613	37,542	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	24,789	33,476	38,319	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	27,483	42,014	49,118	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	31,708	48,714	58,195	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks										
43-4031	Court, Municipal, and License Clerks	27,184	38,134	43,584	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	25,528	38,857	44,579	No	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	21,455	30,549	35,470	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	24,057	32,515	38,785	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	22,646	30,138	34,862	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	18,674	21,546	23,187	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	18,672	26,346	29,887	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	21,040	25,114	26,336	No	No	No	Some college, no degree	Yes	No	No
43-4131	Loan Interviewers and Clerks	26,670	39,610	49,659	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	26,721	36,507	41,521	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	20,720	31,502	35,708	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	32,915	42,486	48,619	Yes	Yes	Yes	Associate's degree	Yes	No	No
43-4171	Receptionists and Information Clerks	20,699	27,933	31,634	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	21,294	37,789	52,266	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
43-4199	Information and Record Clerks, All Other	26,245	37,687	46,756	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5011	Cargo and Freight Agents	24,317	39,933	46,050	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-5021	Couriers and Messengers	18,998	29,026	33,735	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	27,157	34,029	38,570	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	26,156	34,123	37,714	No	No	No	High school diploma or equivalent	Yes	No	No
43-5041	Meter Readers, Utilities	24,037	30,755	35,195	No	No	No	High school diploma or equivalent	No	No	No
43-5051	Postal Service Clerks	37,761	51,120	62,988	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,607	52,337	66,022	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	30,892	46,293	56,491	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	22,982	38,896	47,243	No	No	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	25,277	36,847	45,227	No	No	No	High school diploma or equivalent	Yes	No	Yes
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	23,797	32,910	37,359	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	31,650	40,739	47,150	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	30,460	35,299	38,932	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	21,984	32,902	38,367	No	No	No	Some college, no degree	Yes	Yes	Yes
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	20,697	32,431	38,545	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	21,145	28,443	32,484	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	20,305	22,598	24,194	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	25,806	47,468	51,872	No	Yes	Yes	Associate's degree	No	Yes	Yes
43-9041	Insurance Claims and Policy Processing Clerks	24,819	37,736	42,669	No	No	No	High school diploma or equivalent	Yes	Yes	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	18,460	28,380	33,403	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	19,475	32,770	38,058	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	19,530	30,059	36,885	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers										
43-9111	Statistical Assistants										
43-9199	Office and Administrative Support Workers, All Other	21,168	37,466	44,337	No	No	No	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	34,495	50,903	58,265	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	26,821	36,776	47,580	Yes	No	Yes	Bachelor's degree	No	No	No
45-2021	Animal Breeders	19,617	35,672	41,009	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	22,998	30,407	34,139	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	28,609	34,318	38,020	Yes	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	19,386	27,282	31,365	No	No	No	No formal educational credential	No	Yes	Yes
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	18,600	23,096	26,299	No	No	No	No formal educational credential	No	No	No

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45-2099	Agricultural Workers, All Other	17,634	26,012	26,281	No	No	No	No formal educational credential	No	No	No
45-3031	Fishing and Hunting Workers	18,818	28,918	37,063	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	32,506	37,117	40,328	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	24,595	33,690	36,946	No	No	No	High school diploma or equivalent	No	No	No
45-4022	Logging Equipment Operators	16,854	32,515	41,404	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	20,711	29,896	34,811	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	17,697	42,507	53,540	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	33,913	56,106	63,895	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	31,457	46,553	54,625	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	26,362	38,381	44,741	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2022	Stonemasons	29,519	35,475	39,090	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	28,199	39,650	46,813	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	16,791	29,250	37,736	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	21,545	35,879	46,732	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	23,465	32,112	36,677	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	23,545	35,233	40,983	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	18,786	29,762	36,312	No	No	No	No formal educational credential	No	Yes	Yes
47-2053	Terrazzo Workers and Finishers	30,515	40,175	45,180	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	21,127	32,859	37,622	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	23,985	33,690	36,273	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	30,201	45,432	54,123	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	26,186	35,705	39,245	No	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	20,837	33,511	40,911	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	16,962	36,883	45,198	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	29,866	43,726	47,561	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	24,398	37,906	45,611	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	24,622	35,332	41,539	No	No	No	High school diploma or equivalent	No	No	No
47-2132	Insulation Workers, Mechanical	26,245	35,780	41,386	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	18,449	26,061	32,874	No	No	No	No formal educational credential	No	No	Yes
47-2142	Paperhangers	29,618	42,947	54,975	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	23,206	32,456	37,501	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	25,151	38,026	40,197	No	No	No	Postsecondary nondegree award	Yes	Yes	No
47-2161	Plasterers and Stucco Masons	20,505	33,888	41,000	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	28,371	40,785	46,903	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	28,081	38,002	44,541	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	27,819	36,651	41,315	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2221	Structural Iron and Steel Workers	24,541	39,619	46,813	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-2231	Solar Photovoltaic Installers	22,882	32,390	36,229	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	19,922	27,358	32,040	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	20,065	29,134	34,076	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	26,216	29,694	31,392	No	No	No	High school diploma or equivalent	Yes	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	18,567	25,321	29,501	No	No	No	No formal educational credential	No	No	No
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	20,944	28,066	31,511	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	22,155	30,676	35,116	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	20,684	28,335	32,596	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	41,063	59,255	73,608	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	37,161	69,659	87,706	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	23,079	34,524	42,409	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	24,236	35,699	42,337	No	No	No	High school diploma or equivalent	No	No	No
47-4051	Highway Maintenance Workers	25,929	31,229	36,530	No	No	No	High school diploma or equivalent	Yes	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	30,721	43,189	49,522	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	23,133	34,327	37,063	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	24,541	34,901	39,485	No	No	No	High school diploma or equivalent	No	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	30,829	40,606	45,961	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	22,370	48,625	62,851	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	23,501	37,000	42,893	No	No	No	High school diploma or equivalent	No	No	No
47-5041	Continuous Mining Machine Operators	32,560	51,818	61,819	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining										
47-5051	Rock Splitters, Quarry	27,510	33,636	35,699	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	30,829	40,606	45,961	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	21,258	30,766	35,977	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	23,734	41,135	47,826	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	31,995	50,939	65,326	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	32,975	51,517	60,264	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	22,254	35,296	42,669	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	28,120	51,800	66,080	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	42,857	60,398	69,807	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	30,560	52,841	64,205	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	25,393	38,902	46,033	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	30,336	49,405	62,232	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	31,475	49,235	57,998	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	38,085	64,402	81,786	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	22,909	34,130	40,722	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	21,769	39,467	50,096	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	25,447	40,570	49,163	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	30,811	61,102	79,507	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	32,578	38,338	43,139	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-3022	Automotive Glass Installers and Repairers	19,626	33,636	38,785	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	22,277	38,776	46,022	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	32,783	45,070	53,079	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	36,056	53,361	63,427	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	30,774	42,519	49,439	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	32,811	50,320	57,074	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	25,357	44,938	56,787	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	23,016	33,080	38,937	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	26,030	34,641	41,766	No	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	20,047	26,990	30,703	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	24,550	43,081	54,410	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
49-3093	Tire Repairers and Changers	18,917	28,138	33,260	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	21,823	36,166	42,543	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	32,020	55,410	66,602	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	27,876	38,177	41,464	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9031	Home Appliance Repairers	23,752	36,381	43,494	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	36,947	53,652	61,519	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	22,496	35,690	43,853	No	No	No	High school diploma or equivalent	No	No	Yes
49-9044	Millwrights	28,847	45,010	55,505	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons										
49-9051	Electrical Power-Line Installers and Repairers	30,506	53,459	69,506	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	27,376	41,279	46,921	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	17,446	37,260	49,324	No	No	Yes	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	24,631	46,158	57,747	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-9063	Musical Instrument Repairers and Tuners	21,303	31,681	36,112	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers										
49-9069	Precision Instrument and Equipment Repairers, All Other										
49-9071	Maintenance and Repair Workers, General	21,659	34,188	39,576	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	40,400	66,152	80,369	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	17,536	27,663	33,448	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	30,443	45,171	45,880	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	23,510	36,839	45,333	No	No	No	High school diploma or equivalent	No	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	19,159	26,371	28,820	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	29,250	44,158	53,459	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	35,619	59,487	71,614	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	21,124	29,864	35,557	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	25,852	39,659	46,875	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-1011	First-Line Supervisors of Production and Operating Workers	31,791	56,148	62,731	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	17,285	37,063	47,889	No	No	Yes	Postsecondary nondegree award	No	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	16,836	32,156	44,866	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	19,392	29,717	33,941	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers										
51-2041	Structural Metal Fabricators and Fitters	23,061	32,757	37,457	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	23,321	32,309	35,968	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	27,365	35,763	39,823	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-3011	Bakers	18,881	27,053	31,735	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	19,760	31,699	37,368	No	No	No	No formal educational credential	No	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	19,518	27,959	33,197	No	No	No	No formal educational credential	No	Yes	Yes
51-3023	Slaughterers and Meat Packers	20,110	25,680	28,192	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	22,998	30,407	34,139	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	17,787	27,295	31,546	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	17,473	25,214	29,277	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	19,016	24,550	27,537	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	23,160	31,968	36,300	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	23,743	32,067	35,484	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	23,904	32,892	38,471	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	19,688	29,304	34,121	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	30,075	49,468	60,402	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	19,913	29,421	34,273	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic										
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic										

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51-4041	Machinists	24,720	39,072	46,705	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders										
51-4052	Pourers and Casters, Metal										
51-4061	Model Makers, Metal and Plastic										
51-4062	Patternmakers, Metal and Plastic										
51-4071	Foundry Mold and Coremakers										
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	19,034	30,147	35,412	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,989	32,542	35,726	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	26,846	47,853	56,500	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	27,086	39,301	44,868	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	22,648	31,995	36,740	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic										
51-4192	Layout Workers, Metal and Plastic										
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic										
51-4194	Tool Grinders, Filers, and Sharpeners										
51-4199	Metal Workers and Plastic Workers, All Other	19,114	30,748	34,955	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	20,505	34,740	41,476	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	18,866	28,996	31,185	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	18,818	28,604	34,471	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,421	22,089	24,169	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	17,177	21,949	24,918	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	17,240	25,115	28,434	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	17,769	27,806	33,466	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	17,105	26,784	32,318	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	19,016	25,600	30,497	No	No	No	No formal educational credential	No	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	17,966	26,658	31,161	No	No	No	No formal educational credential	No	No	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	23,142	27,905	31,735	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	18,998	28,156	33,044	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders										
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	18,908	40,588	63,183	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	34,192	61,819	73,650	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	16,890	26,559	28,255	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	21,635	35,000	41,557	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	16,782	24,720	30,201	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	21,316	32,744	39,080	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	17,859	33,116	41,045	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	19,518	27,609	30,703	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	19,052	29,546	35,098	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	20,487	36,632	50,993	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators										
51-8012	Power Distributors and Dispatchers	45,602	72,995	91,509	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	43,527	85,371	101,792	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	35,027	52,293	59,021	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	26,655	38,455	45,376	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	28,586	46,616	56,742	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
51-8092	Gas Plant Operators	29,690	43,019	51,674	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	27,268	46,015	53,558	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	35,152	53,737	57,559	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	24,003	40,112	50,733	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	22,137	34,426	41,467	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	21,438	32,318	37,233	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	20,684	30,102	34,112	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	23,971	37,470	44,751	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9031	Cutters and Trimmers, Hand	18,836	31,798	37,897	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	21,025	31,295	36,749	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	21,393	30,488	34,632	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	20,648	29,564	34,031	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	23,148	37,611	41,386	No	No	No	Postsecondary nondegree award	No	Yes	No
51-9071	Jewelers and Precious Stone and Metal Workers	21,931	40,579	51,764	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	19,841	38,005	46,463	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	22,944	41,395	48,643	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	19,796	30,748	34,704	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	18,537	21,326	20,285	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	17,688	29,465	37,996	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	23,590	35,897	40,929	No	No	No	High school diploma or equivalent	No	No	No
51-9141	Semiconductor Processing Technicians										

Workforce Region 19 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-9151	Photographic Process Workers and Processing Machine Operators	21,698	37,700	45,180	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-9161	Computer Numerically Controlled Tool Operators	23,743	35,628	42,265	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	31,842	48,831	57,298	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders										
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	21,473	31,125	35,753	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	19,473	33,322	41,171	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	16,764	23,967	29,788	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	21,482	30,452	34,542	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	23,079	33,017	37,152	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders										
51-9198	Helpers--Production Workers	18,101	26,156	29,286	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	21,098	28,638	32,485	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	31,215	57,092	70,870	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	33,187	52,774	66,316	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	88,065	206,061	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	38,686	113,413	142,035	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	62,348	110,013	136,339	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	22,801	41,826	54,186	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	27,627	52,240	60,339	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	19,662	26,174	28,407	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,999	23,557	25,361	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	23,046	40,485	48,982	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	18,317	28,168	27,954	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	21,626	33,000	38,301	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19,203	27,902	32,477	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	18,029	27,492	32,892	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	48,033	60,312	66,439	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	48,472	60,904	69,327	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers										
53-4031	Railroad Conductors and Yardmasters	48,472	60,904	69,327	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	20,083	37,843	53,334	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-4099	Rail Transportation Workers, All Other										
53-5011	Sailors and Marine Oilers	21,384	36,910	43,736	No	No	No	High school diploma or equivalent	No	No	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	20,056	72,753	94,873	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators										
53-5031	Ship Engineers	29,510	65,829	80,638	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	23,043	35,825	43,987	No	No	No	High school diploma or equivalent	No	No	Yes
53-6021	Parking Attendants	17,096	22,155	25,447	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	21,262	25,999	28,240	No	No	No	No formal educational credential	Yes	No	No
53-6041	Traffic Technicians	25,842	42,938	49,836	No	Yes	Yes	Associate's degree	No	No	No
53-6051	Transportation Inspectors	47,208	82,952	109,861	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	16,863	22,056	23,779	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	20,227	29,779	34,892	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	17,948	30,470	36,552	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	32,112	54,769	66,573	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	30,623	43,216	50,177	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators										
53-7051	Industrial Truck and Tractor Operators	31,484	44,332	50,314	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	19,976	26,825	30,600	No	No	No	No formal educational credential	Yes	No	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	20,927	30,465	36,165	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	17,948	29,125	34,811	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,687	23,035	24,791	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	18,585	26,120	29,806	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	18,208	36,534	43,521	No	No	No	High school diploma or equivalent	No	No	Yes
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	23,303	38,323	47,031	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	17,948	30,470	36,552	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	20,397	38,220	48,625	No	No	Yes	No formal educational credential	Yes	Yes	Yes

Workforce Region 20 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
11-1011	Chief Executives	45,375	139,976	174,524	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1021	General and Operations Managers	41,128	96,205	117,416	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	24,700	68,033	80,808	No	Yes	Yes	Bachelor's degree	No	No	No
11-2011	Advertising and Promotions Managers	46,260	105,493	122,508	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	56,426	154,098	160,913	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	59,105	117,368	148,737	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	50,495	109,918	143,580	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	39,939	91,800	109,674	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	55,113	113,584	132,252	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	45,450	117,940	148,108	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	56,428	116,734	130,669	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	51,518	95,826	128,731	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	45,484	91,713	121,353	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	62,846	101,585	120,373	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	49,577	94,245	112,660	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	69,986	120,342	144,019	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	35,231	75,743	80,299	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
11-9021	Construction Managers	57,922	117,117	136,612	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	32,103	40,829	45,297	Yes	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	48,708	92,047	108,448	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	53,919	90,127	103,138	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	45,572	81,515	99,244	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9041	Architectural and Engineering Managers	95,277	132,393	156,661	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	26,211	50,458	62,910	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	43,915	83,902	92,272	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	38,690	71,470	79,438	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	61,741	108,366	118,188	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	68,355	120,675	154,475	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	72,037	88,118	97,193	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	32,551	70,214	75,388	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	41,443	69,496	84,636	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9161	Emergency Management Directors	49,906	83,021	101,327	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	40,159	78,097	95,560	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	37,759	88,449	114,525	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	32,524	81,558	98,077	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	34,034	56,277	63,106	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	30,775	81,184	105,591	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	46,746	65,515	76,820	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	34,850	69,915	96,632	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1051	Cost Estimators	36,262	61,800	78,135	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	33,341	52,808	61,186	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	35,231	75,743	80,299	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	18,044	56,154	76,143	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	29,062	54,656	70,784	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	40,598	78,783	97,922	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	35,177	64,227	90,075	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-1131	Fundraisers	32,515	54,527	62,520	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	34,096	51,703	63,583	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	24,092	55,603	65,500	No	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	27,408	48,849	55,458	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	26,284	56,800	69,549	No	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	43,603	80,430	94,367	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2020	Property Appraisers and Assessors	21,586	44,463	65,555	No	No	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	39,031	60,456	71,661	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2041	Credit Analysts	45,367	96,292	138,876	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2052	Personal Financial Advisors	27,244	98,213	105,281	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	37,851	56,369	67,641	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	43,905	79,479	95,856	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	31,676	47,909	50,759	Yes	Yes	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	26,874	63,823	86,448	No	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,322	50,625	74,990	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	21,225	44,643	73,882	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	34,555	68,296	70,645	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	42,029	64,484	78,970	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1212	Information Security Analysts	44,624	98,305	140,718	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	69,652	114,358	133,594	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	45,095	79,713	77,672	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	27,721	50,673	63,426	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	42,773	96,352	134,258	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	44,515	70,670	82,290	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1245	Database Administrators and Architects	40,026	85,838	112,789	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	32,880	70,494	91,542	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	31,757	79,045	106,496	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	26,991	49,014	65,872	No	Yes	Yes	Associate's degree	No	No	Yes

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15-1299	Computer Occupations, All Other	30,896	63,625	80,803	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2011	Actuaries	47,127	111,307	137,264	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	67,135	100,641	113,814	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	33,364	63,655	85,470	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2041	Statisticians	28,130	68,899	90,842	No	Yes	Yes	Master's degree	No	No	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	49,186	88,583	112,909	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	44,506	79,804	96,942	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	26,431	60,336	89,567	No	Yes	Yes	Bachelor's degree	No	No	Yes
17-1021	Cartographers and Photogrammetrists	46,435	64,492	72,835	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	36,780	64,993	86,581	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	63,570	125,545	142,591	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	41,684	76,896	95,084	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	59,424	86,867	104,292	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	47,699	93,120	117,751	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	48,575	83,071	99,583	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	60,615	97,810	118,542	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	57,903	95,578	118,739	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	70,175	86,793	97,795	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	39,454	78,116	96,247	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	57,811	93,958	122,718	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	30,213	74,787	97,873	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
17-2121	Marine Engineers and Naval Architects	57,523	88,718	100,517	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	48,576	91,671	111,727	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	54,056	80,435	96,592	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	70,071	112,613	137,845	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	82,053	103,491	116,893	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	70,529	153,192	188,347	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	46,220	75,137	91,954	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	35,244	53,396	62,955	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	22,296	49,806	61,816	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3013	Mechanical Drafters	35,790	56,103	67,809	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	31,981	52,608	60,653	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	38,815	65,448	84,417	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	28,888	42,101	48,411	Yes	No	No	Associate's degree	No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	33,111	52,948	65,560	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	31,637	50,654	58,785	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	25,880	41,684	49,901	No	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	44,802	66,005	77,414	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	29,722	44,949	55,547	Yes	No	Yes	Associate's degree	No	No	No
17-3031	Surveying and Mapping Technicians	32,213	50,327	57,978	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	34,271	48,860	58,849	Yes	Yes	Yes	Associate's degree	Yes	No	Yes
19-1011	Animal Scientists	39,635	61,759	73,932	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	30,598	55,449	69,785	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	30,351	68,880	93,482	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1021	Biochemists and Biophysicists	42,037	76,153	86,724	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	34,516	59,872	73,093	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	30,913	50,616	56,964	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	39,186	79,370	88,648	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-1031	Conservation Scientists	45,011	116,547	153,108	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1032	Foresters	44,268	72,330	92,510	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1041	Epidemiologists	31,370	52,646	65,553	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	58,209	97,539	124,148	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	48,061	99,430	124,700	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	81,662	139,342	158,215	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
19-2012	Physicists	81,662	139,342	158,215	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
19-2021	Atmospheric and Space Scientists	56,431	94,359	110,907	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	33,679	80,599	101,155	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-2032	Materials Scientists	47,346	98,372	127,922	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	34,373	48,988	53,268	Yes	Yes	No	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	49,434	86,314	109,658	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	44,716	91,271	107,256	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	45,259	111,689	130,744	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	50,416	89,965	101,470	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3022	Survey Researchers	28,130	68,899	90,842	No	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	40,750	68,505	82,257	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	28,130	68,899	90,842	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	43,953	93,358	110,154	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	50,559	72,216	87,601	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	37,421	62,688	76,469	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	31,370	52,646	65,553	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	23,802	55,849	82,015	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists										
19-3099	Social Scientists and Related Workers, All Other	52,113	79,136	93,492	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	18,388	34,773	42,113	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	27,774	49,479	60,504	No	Yes	Yes	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	29,903	48,586	58,594	Yes	Yes	Yes	Associate's degree	No	No	Yes
19-4042	Environmental Science and Protection Technicians, Including Health	24,662	41,110	44,931	No	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	25,089	44,382	53,743	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	67,135	91,795	104,044	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	25,699	51,274	59,452	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	29,760	44,811	53,580	Yes	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	35,157	52,339	61,153	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	25,467	46,966	58,707	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	34,148	63,147	79,313	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	25,766	47,899	62,102	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	32,662	56,281	70,748	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	28,261	45,713	58,234	Yes	No	Yes	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	22,262	40,659	48,785	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	28,901	55,596	71,150	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	18,443	26,667	33,297	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	29,493	43,874	50,906	Yes	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	29,006	52,949	64,014	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	25,579	39,152	48,766	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	26,109	38,059	41,932	No	No	No	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	35,530	50,020	52,672	Yes	Yes	No	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	32,619	40,769	46,091	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	25,219	39,495	43,514	No	No	No	Some college, no degree	Yes	Yes	No
21-1094	Community Health Workers	32,839	43,411	51,221	Yes	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	34,093	49,574	57,893	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-2011	Clergy	25,124	56,305	66,586	No	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	32,469	44,378	54,874	Yes	No	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	19,004	27,494	34,123	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	63,411	132,976	159,273	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
23-1012	Judicial Law Clerks	28,902	48,948	55,373	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	37,033	97,772	119,734	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	24,345	67,946	96,113	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	139,237	178,996	163,287	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	33,350	47,695	54,143	Yes	Yes	Yes	Associate's degree	Yes	No	No
23-2093	Title Examiners, Abstractors, and Searchers	38,440	49,896	56,547	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	25,708	49,879	55,922	No	Yes	Yes	Associate's degree	No	Yes	No
25-1011	Business Teachers, Postsecondary	56,717	104,063	122,384	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	44,506	94,216	117,923	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	40,683	79,298	104,654	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	25,279	86,448	107,876	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	51,626	105,521	129,257	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	52,847	99,678	121,326	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	40,359	85,857	105,131	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	65,810	107,857	126,855	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	45,516	90,708	112,375	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	49,911	83,941	99,144	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	22,334	71,720	84,188	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	46,546	90,308	114,110	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	55,516	88,735	100,269	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	41,379	76,648	93,101	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	56,717	104,063	122,384	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	50,063	83,330	98,153	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	50,511	89,793	101,165	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	40,035	77,783	92,805	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	41,027	77,449	94,436	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	42,085	80,204	106,408	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	56,304	124,373	126,430	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	54,782	111,193	118,628	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	40,464	65,238	77,421	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	41,837	67,688	79,775	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	37,890	85,323	92,901	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	53,571	145,013	192,198	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
25-1113	Social Work Teachers, Postsecondary	35,155	71,263	83,883	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	31,847	94,455	108,038	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	39,654	69,118	81,672	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	29,798	73,179	101,365	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	45,116	81,986	105,664	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	27,796	79,394	91,299	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	43,038	89,260	104,959	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary										
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	31,809	64,075	77,706	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	27,364	47,700	58,952	No	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	44,907	70,242	88,507	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,381	26,904	27,648	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	47,887	64,387	73,814	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2021	Elementary School Teachers, Except Special Education	40,783	62,142	74,878	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	46,158	64,613	73,964	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	28,568	56,278	71,882	Yes	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	43,496	65,232	76,251	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	41,599	62,179	70,748	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	30,551	59,290	75,419	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	42,798	59,920	71,658	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2057	Special Education Teachers, Middle School	39,101	56,841	66,716	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2058	Special Education Teachers, Secondary School	55,185	67,556	75,764	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	26,709	49,405	60,062	No	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	40,859	54,478	61,687	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-3021	Self-Enrichment Teachers	19,679	39,949	49,560	No	No	No	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	18,006	28,234	29,693	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	18,956	30,381	34,986	No	No	No	Bachelor's degree	No	No	No
25-4011	Archivists	26,052	41,513	48,357	No	No	No	Master's degree	No	No	No
25-4012	Curators	27,586	52,618	59,891	No	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	21,800	39,330	47,385	No	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	42,416	59,921	70,000	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	26,445	38,050	44,893	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	19,122	37,619	46,770	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	36,214	64,086	77,441	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	18,245	36,346	46,898	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	20,695	29,590	33,705	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	22,363	47,794	60,987	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	44,696	91,357	98,582	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	17,482	31,247	37,519	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,321	45,202	60,520	No	No	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	40,683	62,731	74,561	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	28,959	81,691	99,869	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	38,014	64,428	75,228	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	30,875	59,643	68,975	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	22,528	29,613	32,671	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	29,800	42,384	48,385	Yes	No	No	Bachelor's degree	No	No	No
27-1025	Interior Designers	23,344	50,816	60,301	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	22,264	31,341	36,449	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	21,552	46,908	58,251	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	30,598	55,964	64,190	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	20,422	42,172	46,911	No	No	No	Some college, no degree	No	Yes	No
27-2012	Producers and Directors	37,616	72,014	94,509	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
27-2021	Athletes and Sports Competitors	27,892	42,786	50,268	No	No	No	Some college, no degree	Yes	Yes	Yes
27-2022	Coaches and Scouts	19,163	43,541	56,839	No	No	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	17,863	37,490	44,744	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	19,193	52,740	77,444	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	17,606	37,109	56,354	No	No	Yes	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	17,959	62,979	73,245	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,845	44,450	50,315	No	No	No	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,064	24,812	28,873	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	18,979	56,774	69,766	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	27,453	60,425	70,090	No	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	33,515	56,526	65,858	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	19,270	59,625	66,001	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	27,945	47,165	55,669	No	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	30,210	81,043	91,396	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-3091	Interpreters and Translators	27,797	51,409	70,596	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	18,483	48,757	80,128	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	18,245	42,847	53,323	No	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	25,105	44,836	56,778	No	No	Yes	Associate's degree	No	No	No
27-4012	Broadcast Technicians	21,028	44,544	54,381	No	No	Yes	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	22,506	53,866	61,874	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	19,385	34,458	43,192	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	22,324	47,528	59,100	No	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	30,389	51,455	61,997	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	23,573	77,459	100,565	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	33,201	80,785	91,404	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	113,187	166,549	172,323	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1022	Oral and Maxillofacial Surgeons	60,854	223,997	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	85,370	172,457	198,270	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	76,515	204,818	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1029	Dentists, All Other Specialists	54,591	167,109	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	31,794	58,934	72,423	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	30,258	96,968	133,855	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	107,657	126,856	144,804	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1071	Physician Assistants	90,517	121,915	134,516	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	50,601	137,043	164,470	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	65,763	90,092	102,976	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	55,925	94,310	116,283	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	55,020	80,871	93,835	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 20 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
29-1125	Recreational Therapists	28,668	44,734	51,087	Yes	No	No	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	45,246	60,748	68,618	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	55,786	78,701	93,252	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	33,868	51,617	63,380	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	46,811	57,268	62,453	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1131	Veterinarians	66,945	117,923	127,679	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	44,325	67,103	79,466	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	129,485	168,491	173,648	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	20,876	64,371	94,388	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	67,814	106,417	126,296	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	42,151	70,310	79,394	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	129,809	258,742	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	131,978	240,098	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	48,595	301,295	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	118,886	234,082	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	56,078	150,866	187,994	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1223	Psychiatrists	49,415	264,934	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	124,924	250,745	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	49,577	291,377	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	55,418	68,956	77,558	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	20,656	64,190	77,382	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	27,314	48,768	62,670	No	Yes	Yes	Associate's degree	No	No	Yes
29-2031	Cardiovascular Technologists and Technicians	26,345	52,603	68,773	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2032	Diagnostic Medical Sonographers	19,086	58,288	76,007	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2033	Nuclear Medicine Technologists	35,992	64,391	79,287	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	33,849	46,184	54,924	Yes	No	Yes	Associate's degree	Yes	No	No
29-2035	Magnetic Resonance Imaging Technologists	54,169	67,989	77,307	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	28,086	40,349	42,622	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2051	Dietetic Technicians	20,764	26,638	29,582	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	25,220	33,873	38,578	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	23,352	32,342	35,270	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	24,586	41,774	49,664	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-2056	Veterinary Technologists and Technicians	24,810	34,476	40,138	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	26,109	39,034	46,021	No	No	No	Postsecondary nondegree award	No	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	36,819	49,035	56,698	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	25,517	43,627	57,681	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	35,403	72,883	86,085	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	27,739	60,386	69,757	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	27,084	39,099	44,528	No	No	No	Postsecondary nondegree award	No	No	No
29-9091	Athletic Trainers	32,454	49,514	64,132	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	56,707	76,925	88,669	Yes	Yes	Yes	Master's degree	Yes	Yes	No
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	28,633	43,625	50,695	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	20,228	25,701	28,720	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,877	28,479	31,749	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	20,265	27,005	29,674	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	27,622	30,829	32,541	No	No	No	High school diploma or equivalent	Yes	No	No
31-2011	Occupational Therapy Assistants	53,784	65,992	75,450	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	18,578	27,024	30,741	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	35,460	60,941	71,516	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	18,578	27,024	30,741	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	23,121	74,630	116,996	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	33,370	43,385	49,445	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
31-9092	Medical Assistants	25,473	33,442	38,340	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	24,224	31,731	35,807	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	28,927	50,372	42,432	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	No
31-9095	Pharmacy Aides	18,980	22,390	26,537	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	23,893	37,093	44,822	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	28,895	36,432	40,128	Yes	No	No	Postsecondary nondegree award	Yes	No	No
31-9099	Healthcare Support Workers, All Other	22,902	46,366	53,513	No	Yes	No	High school diploma or equivalent	No	Yes	Yes
33-1011	First-Line Supervisors of Correctional Officers	32,743	45,669	47,099	Yes	No	No	Some college, no degree	Yes	Yes	No
33-1012	First-Line Supervisors of Police and Detectives	38,795	65,814	82,426	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	51,130	82,128	99,866	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	30,245	49,249	60,298	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	31,837	53,192	70,042	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	40,927	60,936	76,817	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	28,263	33,410	36,499	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	31,342	44,554	51,617	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	31,971	39,150	42,083	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3021	Detectives and Criminal Investigators	39,678	88,059	137,672	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	20,218	27,129	29,302	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	26,328	40,874	47,937	No	No	No	High school diploma or equivalent	Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	37,238	52,147	56,080	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
33-3052	Transit and Railroad Police	42,904	61,807	73,379	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	29,673	42,105	48,381	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No

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33-9021	Private Detectives and Investigators	32,201	61,457	77,010	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	23,859	33,115	37,528	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	21,804	31,392	36,204	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	23,193	29,744	31,264	No	No	No	No formal educational credential	Yes	Yes	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	21,759	32,690	39,210	No	No	No	No formal educational credential	Yes	Yes	Yes
33-9093	Transportation Security Screeners	34,135	40,483	43,219	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	20,323	31,674	37,578	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	37,771	58,999	64,933	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	23,462	39,425	48,879	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,532	21,928	23,497	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	19,611	29,209	32,153	No	No	No	No formal educational credential	No	Yes	Yes
35-2013	Cooks, Private Household	20,065	28,749	33,725	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	20,341	29,539	34,714	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	20,878	27,281	30,879	No	No	No	No formal educational credential	Yes	No	No
35-2019	Cooks, All Other	20,656	29,121	34,249	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	19,462	25,430	28,773	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,752	26,120	31,837	No	No	No	No formal educational credential	No	No	Yes
35-3023	Fast Food and Counter Workers	18,397	21,256	22,532	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,749	25,459	27,776	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	19,195	23,961	25,391	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,705	21,777	23,577	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	19,980	24,719	27,194	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,787	23,308	25,173	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	18,035	26,214	29,302	No	No	No	No formal educational credential	No	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	27,337	49,918	61,709	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	32,349	55,814	69,053	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	20,555	29,543	33,501	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,802	26,084	29,480	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	20,570	34,793	50,273	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	25,842	36,406	41,635	No	No	No	High school diploma or equivalent	Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	22,458	30,656	33,655	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	28,812	38,342	41,140	Yes	No	No	High school diploma or equivalent	Yes	No	No
37-3013	Tree Trimmers and Pruners	21,190	34,430	43,333	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	24,955	34,163	37,786	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	34,793	53,418	63,017	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	26,545	43,101	52,994	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	22,990	29,723	34,327	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	20,031	27,814	29,849	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	17,568	23,916	26,986	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	18,778	26,261	29,655	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,198	33,039	34,125	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	18,178	28,520	31,256	No	No	No	No formal educational credential	No	Yes	No
39-3031	Ushers, Lobby Attendants, and Ticket Takers	18,168	24,288	26,967	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,662	24,142	25,364	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	24,965	53,666	69,928	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	21,910	30,682	35,547	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,064	24,812	28,873	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	32,314	54,257	55,287	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	22,326	32,576	42,903	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	31,336	51,133	61,107	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
39-5011	Barbers	20,885	30,322	36,079	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,197	29,497	32,220	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	34,707	67,364	77,726	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	20,778	27,061	29,299	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	18,359	25,098	28,959	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	23,418	41,356	54,782	No	No	Yes	Postsecondary nondegree award	No	No	Yes
39-6011	Baggage Porters and Bellhops	17,949	23,802	27,157	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	22,260	29,941	33,191	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	21,038	31,189	34,202	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,000	24,189	25,846	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	21,844	35,223	44,755	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	19,598	28,182	31,494	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	21,486	33,038	42,227	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	18,857	32,173	54,738	No	No	Yes	High school diploma or equivalent	No	No	Yes
41-1011	First-Line Supervisors of Retail Sales Workers	26,944	45,965	55,332	No	No	Yes	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	42,998	70,393	81,597	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,698	25,392	28,022	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,102	27,281	33,725	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	21,297	32,333	36,250	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	20,416	32,191	34,807	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,642	29,320	32,207	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	28,276	54,280	73,246	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-3021	Insurance Sales Agents	34,795	63,555	76,245	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	35,459	55,328	62,743	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	19,055	38,520	47,366	No	No	No	Some college, no degree	No	No	No

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May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	25,279	65,560	78,197	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	32,870	61,568	86,763	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	21,056	66,344	84,759	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-9011	Demonstrators and Product Promoters	21,416	34,165	46,065	No	No	No	No formal educational credential	Yes	Yes	Yes
41-9012	Models	19,732	37,404	47,041	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	22,854	34,745	37,793	No	No	No	Postsecondary nondegree award	No	No	No
41-9022	Real Estate Sales Agents	19,317	55,364	74,855	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	53,485	106,446	137,464	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	20,401	24,943	25,621	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	17,921	26,280	28,549	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	18,867	25,522	28,478	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	31,765	52,874	63,335	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	20,377	28,402	32,348	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	23,001	29,941	31,104	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	28,149	38,958	46,060	No	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	21,694	29,902	31,851	No	No	No	High school diploma or equivalent	No	No	No
43-3021	Billing and Posting Clerks	26,933	36,954	41,394	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	22,958	41,417	50,521	No	No	No	Some college, no degree	No	Yes	Yes
43-3041	Gambling Cage Workers	18,912	26,652	30,122	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	27,861	45,266	54,540	No	No	Yes	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	27,680	39,383	46,467	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	28,156	34,487	38,371	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	18,353	35,187	44,990	No	No	No	Some college, no degree	No	No	No
43-4011	Brokerage Clerks	35,167	49,811	60,237	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	27,910	39,911	46,412	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	27,311	37,058	40,777	No	No	No	Some college, no degree	Yes	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	27,129	41,293	47,375	No	No	No	Some college, no degree	Yes	Yes	No
43-4051	Customer Service Representatives	20,985	32,676	38,018	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	25,120	33,116	36,715	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	18,972	26,995	29,931	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	20,672	25,368	28,030	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	33,963	55,088	64,907	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-4121	Library Assistants, Clerical	20,661	28,941	33,123	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	32,463	45,085	56,722	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	28,396	38,796	44,125	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	23,542	33,381	38,164	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	29,776	45,672	52,452	Yes	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	20,821	30,563	34,814	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	27,389	34,762	38,926	No	No	No	High school diploma or equivalent	Yes	No	No
43-4199	Information and Record Clerks, All Other	29,245	40,056	47,080	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5011	Cargo and Freight Agents	26,643	43,373	52,558	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5021	Couriers and Messengers	25,999	30,925	32,362	No	No	No	High school diploma or equivalent	Yes	No	No
43-5031	Public Safety Telecommunicators	33,822	44,702	50,748	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-5032	Dispatchers, Except Police, Fire, and Ambulance	22,685	35,282	39,755	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	26,729	41,412	50,281	No	No	No	High school diploma or equivalent	Yes	No	Yes
43-5051	Postal Service Clerks	37,764	52,027	62,997	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,064	53,137	65,033	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	47,201	57,621	64,255	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	27,459	42,346	48,764	No	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	22,999	33,583	38,746	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	33,438	41,792	47,930	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-6011	Executive Secretaries and Executive Administrative Assistants	36,591	54,637	62,911	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	26,893	36,861	42,723	No	No	No	Some college, no degree	Yes	No	No
43-6013	Medical Secretaries and Administrative Assistants	25,545	34,279	39,006	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	23,058	34,745	39,970	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	25,080	33,967	39,316	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	20,314	35,887	48,103	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	27,424	50,444	55,125	No	Yes	Yes	Associate's degree	No	Yes	No
43-9041	Insurance Claims and Policy Processing Clerks	26,102	35,152	39,753	No	No	No	High school diploma or equivalent	Yes	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	20,160	25,588	28,693	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	20,035	37,572	43,647	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	19,408	31,828	36,994	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	25,365	40,350	53,495	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	31,266	52,723	64,600	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	23,307	39,105	47,609	No	No	No	Some college, no degree	Yes	No	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	27,214	43,919	49,893	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	22,987	32,133	33,106	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	20,847	37,910	43,581	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	18,314	19,460	19,878	No	No	No	No formal educational credential	No	No	No
45-2091	Agricultural Equipment Operators	24,935	34,925	39,118	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	18,919	24,677	25,231	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	19,999	30,732	39,387	No	No	No	No formal educational credential	No	Yes	Yes

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May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
45-2099	Agricultural Workers, All Other	18,740	27,643	27,929	No	No	No	No formal educational credential	No	No	No
45-3031	Fishing and Hunting Workers	19,999	30,732	39,387	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	34,545	39,444	42,857	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	26,137	35,803	39,263	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	17,911	34,554	44,001	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	22,010	31,771	36,994	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	18,807	45,173	56,898	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	32,190	66,565	81,324	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	33,429	49,472	58,051	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	28,074	40,346	48,106	No	No	No	High school diploma or equivalent	Yes	No	No
47-2022	Stonemasons	31,370	37,700	41,541	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	27,284	41,700	49,147	No	No	No	Postsecondary nondegree award	Yes	Yes	No
47-2041	Carpet Installers	17,844	31,085	40,102	No	No	No	No formal educational credential	No	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	22,896	38,129	49,663	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	24,936	34,125	38,977	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	22,755	37,565	42,696	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	22,614	36,019	44,325	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	32,429	42,695	48,014	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2061	Construction Laborers	25,694	36,240	40,224	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	27,169	36,276	43,675	No	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	32,095	48,281	57,517	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	33,129	42,742	49,170	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2081	Drywall and Ceiling Tile Installers	29,747	43,731	52,041	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	18,025	39,196	48,033	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	27,869	44,845	52,570	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	31,445	44,730	53,869	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	26,166	37,547	44,144	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	27,891	38,024	43,982	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	26,645	39,709	46,306	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	31,475	45,640	58,423	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	29,744	37,773	42,435	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	29,713	48,123	58,461	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	28,021	39,505	45,992	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	30,150	43,343	49,844	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	26,481	39,264	47,207	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	28,380	41,063	47,989	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2221	Structural Iron and Steel Workers	29,194	46,352	58,024	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	24,317	34,421	38,501	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	19,766	28,532	32,540	No	No	No	No formal educational credential	No	Yes	Yes
47-3012	Helpers--Carpenters	25,516	28,701	30,568	No	No	No	No formal educational credential	Yes	Yes	No
47-3013	Helpers--Electricians	23,274	30,867	34,718	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	26,235	32,479	36,647	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	22,393	30,947	36,406	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	23,545	32,600	37,319	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	18,731	31,168	38,880	No	No	No	No formal educational credential	No	Yes	Yes
47-4011	Construction and Building Inspectors	40,180	65,594	73,206	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	39,492	74,027	93,206	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	24,526	36,689	45,068	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	27,389	45,305	61,138	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-4051	Highway Maintenance Workers	27,505	37,007	45,201	No	No	No	High school diploma or equivalent	Yes	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	32,648	45,898	52,627	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	24,584	36,480	39,387	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	22,943	38,367	42,847	No	No	No	High school diploma or equivalent	No	No	No
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	32,762	43,152	48,843	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	23,773	51,674	66,792	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	28,865	42,660	51,366	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5041	Continuous Mining Machine Operators	34,602	55,068	65,696	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	34,602	55,068	65,696	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	29,235	35,746	37,938	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	32,762	43,152	48,843	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	22,591	32,695	38,234	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	25,222	43,715	50,826	No	No	No	High school diploma or equivalent	No	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	31,738	38,634	44,407	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	38,353	61,425	73,731	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	19,764	36,965	39,451	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	29,883	55,048	70,224	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	38,763	53,190	61,876	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	32,476	56,154	68,231	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	26,986	41,341	48,919	No	No	No	High school diploma or equivalent	Yes	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	32,238	52,503	66,134	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	36,272	53,228	63,688	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	56,617	78,109	92,549	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	24,345	36,270	43,276	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	26,776	36,195	40,213	No	No	No	Postsecondary nondegree award	No	No	No
49-2098	Security and Fire Alarm Systems Installers	33,184	41,900	47,992	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-3011	Aircraft Mechanics and Service Technicians	37,645	73,554	98,230	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	27,583	45,968	49,004	No	No	No	Postsecondary nondegree award	Yes	Yes	No
49-3022	Automotive Glass Installers and Repairers	20,856	35,746	41,217	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	24,959	45,860	57,947	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	38,442	53,606	62,216	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	19,264	38,717	48,834	No	No	No	High school diploma or equivalent	No	No	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	27,558	42,820	52,360	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	34,869	53,476	60,653	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	23,660	41,998	52,616	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3052	Motorcycle Mechanics	24,460	35,155	41,379	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	22,273	34,265	39,127	No	No	No	High school diploma or equivalent	No	No	No
49-3091	Bicycle Repairers	21,304	28,682	32,629	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	26,090	45,783	57,822	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	24,886	35,439	44,741	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	26,089	34,041	38,502	No	No	No	High school diploma or equivalent	Yes	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	36,198	51,270	60,442	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	26,761	38,779	47,257	No	No	No	Postsecondary nondegree award	No	No	No
49-9031	Home Appliance Repairers	25,241	38,663	46,222	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	39,613	56,941	67,152	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	26,460	33,022	39,749	No	No	No	High school diploma or equivalent	Yes	No	No
49-9044	Millwrights	30,656	47,833	58,985	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	22,830	32,362	36,709	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	33,896	52,846	65,805	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	24,167	44,025	53,378	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	18,540	39,597	52,418	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	25,446	43,081	51,529	No	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	22,639	33,668	38,377	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	20,914	41,761	51,865	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	36,585	54,229	62,150	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	22,783	35,288	40,897	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	42,933	70,300	85,409	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	18,635	29,397	35,546	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	32,352	48,004	48,757	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	No
49-9094	Locksmiths and Safe Repairers	27,417	40,882	49,679	No	No	No	High school diploma or equivalent	Yes	No	Yes
49-9095	Manufactured Building and Mobile Home Installers	20,361	28,025	30,627	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	31,835	43,705	50,152	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	37,852	63,218	76,105	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	25,985	33,465	38,237	No	No	No	High school diploma or equivalent	Yes	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	21,893	35,705	39,287	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	34,461	58,055	70,723	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	27,705	38,919	45,568	No	No	No	Postsecondary nondegree award	Yes	No	No
51-2021	Coil Winders, Tapers, and Finishers	17,892	34,173	47,680	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	27,169	36,401	41,236	No	No	No	High school diploma or equivalent	Yes	No	No
51-2031	Engine and Other Machine Assemblers	24,412	28,921	30,341	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	21,581	32,235	38,517	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	27,161	35,690	39,562	No	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	25,205	34,875	39,055	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	22,690	30,043	34,522	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	29,465	38,774	44,549	Yes	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	27,278	35,545	39,666	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	21,371	27,291	29,960	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	24,441	32,314	36,280	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	21,641	49,707	62,261	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
51-3093	Food Cooking Machine Operators and Tenders	18,569	26,795	31,113	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,208	26,090	29,264	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	24,612	33,973	38,577	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	25,232	34,078	37,709	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	25,403	34,955	40,884	No	No	No	High school diploma or equivalent	Yes	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	20,923	31,142	36,260	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	31,961	52,570	64,190	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	29,211	36,560	39,795	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,010	36,346	42,733	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	32,247	42,475	48,204	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No

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51-4041	Machinists	29,702	45,685	57,193	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	29,283	40,474	47,070	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	25,041	39,530	47,385	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	31,961	52,570	64,190	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	28,530	50,854	60,043	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	20,494	35,994	45,678	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	27,214	36,367	39,426	No	No	No	High school diploma or equivalent	Yes	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	32,091	45,855	53,114	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4111	Tool and Die Makers	29,665	41,933	49,110	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4121	Welders, Cutters, Solderers, and Brazers	33,126	43,920	49,830	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	24,069	34,001	39,044	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	21,381	33,277	38,272	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	27,396	43,715	54,381	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	27,262	37,128	40,188	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,098	34,325	38,033	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	20,313	32,676	37,147	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	27,731	38,877	45,568	No	No	No	Postsecondary nondegree award	Yes	No	No
51-5112	Printing Press Operators	26,826	39,034	45,791	No	No	No	High school diploma or equivalent	Yes	No	No
51-5113	Print Binding and Finishing Workers	20,413	26,172	27,011	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	19,021	23,868	25,807	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	18,952	24,064	26,415	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	21,258	31,903	37,292	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	18,883	29,550	35,565	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,178	28,463	34,345	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,208	27,205	32,409	No	No	No	No formal educational credential	No	No	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	19,093	28,330	33,115	No	No	No	No formal educational credential	No	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	24,593	29,655	33,725	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20,189	29,922	35,117	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18,178	25,213	28,711	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,094	43,133	67,145	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	36,337	65,696	78,269	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	17,949	28,225	30,026	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	28,903	43,344	54,439	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6099	Textile, Apparel, and Furnishings Workers, All Other	17,835	26,271	32,095	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	21,019	35,377	44,965	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	18,979	35,193	43,619	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood										
51-7032	Patternmakers, Wood										
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	22,163	28,174	31,380	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	18,719	24,947	26,348	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	21,772	38,930	54,191	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	67,135	91,795	104,044	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	48,462	77,573	97,248	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	42,933	70,300	85,409	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	37,223	55,573	62,722	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	34,635	52,497	62,255	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	27,500	34,904	42,844	No	No	No	Associate's degree	No	No	No
51-8092	Gas Plant Operators	31,552	45,716	54,915	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	28,978	48,900	56,917	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	37,357	57,107	61,168	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	25,508	42,628	53,914	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	23,525	36,585	44,067	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	22,782	34,345	39,568	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	21,790	33,593	39,516	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	28,210	39,356	46,140	No	No	No	High school diploma or equivalent	Yes	No	No
51-9031	Cutters and Trimmers, Hand	20,018	33,792	40,274	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	27,593	38,141	45,620	No	No	No	High school diploma or equivalent	Yes	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,734	32,400	36,804	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	21,943	31,418	36,165	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	23,003	44,463	56,051	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	26,571	39,154	50,871	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-9081	Dental Laboratory Technicians	35,700	54,921	62,543	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9082	Medical Appliance Technicians	32,544	48,158	57,951	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	21,038	32,676	36,880	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	20,424	33,179	37,331	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	20,254	25,698	25,179	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	27,890	43,021	50,811	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9141	Semiconductor Processing Technicians	27,062	39,864	46,736	No	No	No	High school diploma or equivalent	Yes	No	No

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51-9151	Photographic Process Workers and Processing Machine Operators	23,058	40,064	48,014	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	32,001	41,902	47,321	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
51-9162	Computer Numerically Controlled Tool Programmers	33,839	51,893	60,892	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	20,570	33,067	40,073	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	22,820	33,077	37,995	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	20,694	35,412	43,753	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	17,816	25,470	31,656	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	22,363	34,902	41,189	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	24,526	35,088	39,482	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	25,003	35,975	43,677	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	19,192	26,606	29,793	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	22,230	32,745	38,461	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	33,172	60,672	75,314	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	26,774	59,466	63,741	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	93,587	218,983	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	37,810	92,893	140,172	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	66,258	116,912	144,889	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	24,231	44,449	57,584	No	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	29,359	55,516	64,123	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	20,895	27,815	30,188	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,964	25,458	29,778	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	24,986	42,315	50,063	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-3033	Light Truck Drivers	19,821	36,717	40,269	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	22,982	35,069	40,702	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	22,735	31,761	36,036	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	20,591	34,776	44,108	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	51,045	64,095	70,605	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	51,512	64,724	73,674	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	33,134	54,133	64,714	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	51,512	64,724	73,674	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	21,343	40,216	56,678	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	27,615	52,761	68,870	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	22,725	39,225	46,479	No	No	No	High school diploma or equivalent	No	No	No
53-5021	Captains, Mates, and Pilots of Water Vessels	20,017	62,518	73,154	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	19,045	41,865	53,333	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	31,361	69,957	85,694	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	24,488	38,072	46,746	No	No	No	High school diploma or equivalent	No	No	No
53-6021	Parking Attendants	19,726	28,358	31,321	No	No	No	No formal educational credential	No	Yes	No
53-6031	Automotive and Watercraft Service Attendants	19,874	25,710	27,917	No	No	No	No formal educational credential	No	No	No
53-6041	Traffic Technicians	28,853	47,216	58,866	Yes	Yes	Yes	Associate's degree	No	No	Yes
53-6051	Transportation Inspectors	53,857	90,697	101,019	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	17,921	23,440	25,270	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	22,710	30,155	33,436	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,074	32,381	38,844	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	34,125	58,204	70,748	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	32,543	45,926	53,323	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	25,718	39,616	41,637	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	25,060	36,632	43,181	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	18,979	27,669	32,756	No	No	No	No formal educational credential	No	No	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	20,225	30,780	35,590	No	No	No	No formal educational credential	No	Yes	Yes
53-7063	Machine Feeders and Offbearers	19,074	30,951	36,994	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	18,978	22,746	24,595	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	21,845	30,320	34,771	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators										
53-7072	Pump Operators, Except Wellhead Pumpers	19,350	38,825	46,250	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers										
53-7081	Refuse and Recyclable Material Collectors	27,357	37,458	42,008	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,074	32,381	38,844	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	21,676	40,617	51,674	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 21 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
11-1011	Chief Executives	70,005	204,566	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	36,366	111,753	146,159	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	19,025	111,106	115,115	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2011	Advertising and Promotions Managers	63,199	111,153	126,172	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	62,319	137,640	179,787	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	51,509	140,536	179,444	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	60,658	108,029	127,161	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	45,216	97,358	118,255	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	79,324	152,294	177,185	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	69,406	152,570	185,659	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	56,825	115,727	141,859	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	58,895	111,092	139,103	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	47,433	91,376	110,288	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	81,077	116,145	132,353	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	65,018	119,938	142,733	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	61,439	114,804	138,643	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	54,657	139,163	133,227	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9021	Construction Managers	60,177	117,679	140,134	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	26,674	41,120	49,643	No	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	56,462	107,908	126,804	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	43,577	95,310	114,534	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9039	Education Administrators, All Other	36,526	101,876	149,058	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9041	Architectural and Engineering Managers	79,600	154,459	179,784	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	24,595	57,008	74,248	No	Yes	Yes	Some college, no degree	No	Yes	Yes
11-9071	Gambling Managers	50,312	96,124	105,712	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	36,137	86,545	109,145	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
11-9111	Medical and Health Services Managers	54,039	111,144	129,872	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	57,697	103,671	112,119	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	65,811	86,031	94,276	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	34,652	60,304	66,061	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	38,495	70,170	85,097	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9161	Emergency Management Directors	49,371	80,934	101,037	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9171	Funeral Home Managers	46,009	89,473	109,480	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	48,778	109,101	140,591	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	35,543	91,739	126,103	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	39,371	70,983	88,483	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	41,676	64,387	79,095	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	53,555	75,058	88,010	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	36,672	72,443	85,645	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	36,927	59,208	69,618	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	34,651	63,936	79,324	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	40,363	86,776	91,996	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	42,737	72,510	99,329	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	39,984	69,416	89,138	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	27,896	80,846	96,191	No	Yes	Yes	Bachelor's degree	No	No	No
13-1121	Meeting, Convention, and Event Planners	18,467	42,728	58,041	No	No	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	40,567	63,466	79,784	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	43,303	60,979	68,109	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	23,686	53,569	68,948	No	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	28,513	66,398	79,354	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	33,995	70,195	89,897	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	41,241	78,365	96,642	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	41,071	65,393	83,247	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	40,089	61,873	72,810	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2041	Credit Analysts	53,139	87,218	109,989	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
13-2052	Personal Financial Advisors	18,814	126,306	169,440	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	36,553	66,376	88,473	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	42,526	80,892	100,086	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2071	Credit Counselors	35,589	51,702	60,139	Yes	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	29,276	91,952	100,511	No	Yes	Yes	Bachelor's degree	No	Yes	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	29,606	58,719	88,635	No	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	23,883	49,767	61,842	No	No	No	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	40,265	82,970	94,597	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	52,493	81,570	98,828	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1212	Information Security Analysts	49,337	89,777	117,256	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	79,798	131,016	153,054	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	19,131	59,967	76,741	No	Yes	Yes	Associate's degree	No	Yes	Yes
15-1232	Computer User Support Specialists	33,602	57,863	66,603	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	70,318	118,927	145,749	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	53,865	94,622	119,026	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1245	Database Administrators and Architects	52,410	104,615	131,590	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	52,521	80,462	89,303	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	57,792	104,231	125,108	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	33,574	64,663	79,336	Yes	Yes	Yes	Associate's degree	No	Yes	Yes

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15-1299	Computer Occupations, All Other	31,228	77,603	109,792	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
15-2011	Actuaries	53,992	127,521	157,258	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	76,914	115,301	130,393	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	35,617	70,523	85,936	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2041	Statisticians	34,988	78,991	116,350	Yes	Yes	Yes	Master's degree	No	Yes	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	45,576	99,144	132,570	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	42,416	76,271	93,099	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1012	Landscape Architects	54,178	74,375	80,072	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1021	Cartographers and Photogrammetrists	55,053	69,339	78,576	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	32,181	65,012	78,939	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	72,835	112,610	134,979	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	47,756	88,097	108,934	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
17-2031	Bioengineers and Biomedical Engineers	54,512	77,134	87,155	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2041	Chemical Engineers	54,647	106,684	134,903	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	57,064	90,369	106,353	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-2061	Computer Hardware Engineers	74,028	113,573	140,727	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	56,484	97,935	121,285	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	76,562	116,756	132,203	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	38,209	78,521	95,648	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	52,833	88,059	103,608	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2112	Industrial Engineers	56,984	93,086	114,668	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	52,933	87,704	104,850	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2131	Materials Engineers	55,652	105,024	128,002	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	51,852	94,824	118,806	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	80,278	129,017	157,924	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	94,005	118,566	133,921	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	80,802	175,507	215,782	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	53,109	99,663	132,115	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	35,188	50,404	58,517	Yes	No	No	Associate's degree	Yes	No	No
17-3012	Electrical and Electronics Drafters	23,529	46,325	62,838	No	No	Yes	Associate's degree	No	No	No
17-3013	Mechanical Drafters	46,436	78,488	96,986	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	30,382	64,163	85,338	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	44,469	74,982	96,714	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	28,463	47,394	59,565	No	No	No	Associate's degree	No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	41,993	66,050	78,564	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	37,760	66,472	53,539	Yes	Yes	No	Associate's degree	Yes	Yes	No
17-3025	Environmental Engineering Technologists and Technicians	42,464	54,026	61,089	Yes	Yes	No	Associate's degree	Yes	No	No
17-3026	Industrial Engineering Technologists and Technicians	30,208	57,291	68,672	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	34,280	60,424	77,897	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3031	Surveying and Mapping Technicians	31,333	47,268	56,324	Yes	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	40,193	58,648	69,269	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	45,408	70,755	84,701	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	35,055	63,526	79,950	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	34,290	61,521	86,597	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1021	Biochemists and Biophysicists	48,160	87,245	99,357	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	39,544	68,593	83,740	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	30,479	45,942	48,542	Yes	No	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	34,464	68,702	89,893	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	31,677	51,073	59,804	Yes	No	No	Bachelor's degree	No	No	No
19-1032	Foresters	50,716	82,866	105,985	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1041	Epidemiologists	35,940	60,315	75,102	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	37,194	78,552	86,243	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1099	Life Scientists, All Other	55,062	113,914	142,865	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	93,558	159,639	181,262	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	93,558	159,639	181,262	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	64,651	108,104	127,062	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	42,621	55,269	61,400	Yes	Yes	No	Bachelor's degree	No	No	No
19-2032	Materials Scientists	56,986	81,501	91,732	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-2041	Environmental Scientists and Specialists, Including Health	40,431	85,045	88,649	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	45,454	79,053	100,442	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-2043	Hydrologists	57,083	90,868	119,105	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	51,851	127,958	149,788	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	61,351	83,880	89,641	Yes	Yes	Yes	Master's degree	Yes	Yes	No
19-3022	Survey Researchers	32,227	78,935	104,074	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3031	Clinical, Counseling, and School Psychologists	45,212	80,362	101,114	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	32,227	78,935	104,074	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	47,489	101,300	119,861	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	57,923	82,735	100,361	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3051	Urban and Regional Planners	48,517	76,222	83,755	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3091	Anthropologists and Archeologists	35,940	60,315	75,102	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	69,903	91,799	106,258	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	27,269	63,984	93,962	No	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists	68,418	108,803	125,424	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	46,072	78,840	84,446	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-4010	Agricultural and Food Science Technicians	18,839	34,976	41,480	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	30,349	48,575	60,326	Yes	No	No	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	28,498	54,652	80,719	No	Yes	Yes	Associate's degree	No	No	Yes
19-4042	Environmental Science and Protection Technicians, Including Health	32,531	43,662	48,474	Yes	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	26,691	38,868	46,298	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	76,914	105,166	119,199	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	25,542	46,042	51,784	No	No	No	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	34,094	51,338	61,385	Yes	No	No	Associate's degree	No	No	No
19-4092	Forensic Science Technicians	41,578	67,555	81,488	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	27,360	59,966	75,013	No	Yes	Yes	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	34,494	66,394	82,973	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	29,519	54,877	71,148	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	39,678	58,582	72,637	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	37,191	49,467	53,300	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	25,933	40,009	46,884	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	29,531	46,805	56,819	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	18,941	34,785	44,721	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	31,145	52,653	63,043	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	34,533	55,111	67,879	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	23,243	42,361	48,417	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	34,987	57,452	79,546	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	33,640	87,840	95,912	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	34,313	43,967	48,706	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	25,214	39,120	45,786	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	23,093	43,534	50,584	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	33,399	44,045	49,958	Yes	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	32,928	53,560	60,391	Yes	Yes	No	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	21,633	53,908	55,806	No	Yes	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	19,213	49,127	69,893	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	42,947	155,739	191,069	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
23-1012	Judicial Law Clerks	33,112	56,078	63,438	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	42,427	112,014	137,175	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	27,891	77,843	110,113	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	159,519	205,069	187,072	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	38,067	58,814	66,503	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
23-2093	Title Examiners, Abstractors, and Searchers	28,087	47,293	51,729	No	No	No	High school diploma or equivalent	Yes	Yes	No
23-2099	Legal Support Workers, All Other	29,126	63,296	67,621	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	64,978	119,221	140,211	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	50,989	107,940	135,100	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	46,610	90,849	119,898	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	28,962	99,040	123,590	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	59,147	120,892	148,085	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	60,544	114,198	138,999	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	46,238	98,363	120,444	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	75,397	123,568	145,333	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	52,146	103,921	128,744	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	52,719	98,532	133,877	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	25,587	82,167	96,452	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	53,326	103,463	130,732	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	63,602	101,661	114,875	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	47,407	87,813	106,662	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	64,978	119,221	140,211	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	57,356	95,469	112,450	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	57,869	102,873	115,901	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	45,867	89,113	106,324	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	47,003	88,731	108,191	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	48,215	91,887	121,908	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	44,545	71,981	77,415	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-1072	Nursing Instructors and Teachers, Postsecondary	68,183	82,784	92,837	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	46,993	78,148	84,277	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	47,931	77,548	91,395	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	43,410	97,751	106,433	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	61,374	166,137	220,194	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	40,276	81,643	96,102	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	36,486	108,213	123,775	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	45,430	79,186	93,569	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	34,138	83,838	116,131	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	51,688	93,929	121,056	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	31,845	90,959	104,598	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	49,307	102,261	120,248	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	46,358	74,741	88,698	Yes	Yes	Yes	Master's degree	Yes	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	36,442	73,409	89,026	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	40,588	64,681	66,521	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	25,063	61,025	76,707	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	21,113	31,196	33,361	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	54,954	72,067	78,996	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2021	Elementary School Teachers, Except Special Education	48,799	72,978	81,450	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	34,751	70,556	82,183	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	32,729	64,476	82,353	Yes	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	37,863	68,479	80,920	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	62,653	88,341	110,702	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
25-2051	Special Education Teachers, Preschool	35,001	67,927	86,405	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	57,811	76,738	84,440	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2057	Special Education Teachers, Middle School	44,797	65,120	76,434	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	45,627	68,866	82,495	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	59,536	80,317	92,267	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	34,673	51,426	63,493	Yes	No	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	19,144	37,300	44,389	No	No	No	Some college, no degree	No	No	No
25-3031	Substitute Teachers, Short-Term	20,194	27,233	30,625	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	21,985	47,179	50,194	No	No	No	Bachelor's degree	No	No	No
25-4011	Archivists	32,350	47,554	60,976	Yes	No	No	Master's degree	No	No	No
25-4012	Curators	38,948	54,984	58,812	Yes	Yes	No	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	30,062	42,774	48,700	Yes	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	28,311	53,605	65,170	No	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	25,054	37,599	43,345	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	20,815	41,794	52,944	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	35,379	65,303	79,765	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	19,157	39,518	50,997	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	20,880	27,029	30,411	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	20,684	28,379	33,358	No	No	No	Bachelor's degree	No	No	No
27-1011	Art Directors	58,194	183,597	112,942	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	20,029	35,798	42,984	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,653	38,013	51,586	No	No	No	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	41,183	69,122	80,650	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1019	Artists and Related Workers, All Other	33,177	93,590	114,416	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	19,229	51,042	67,910	No	No	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	35,030	79,835	99,089	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	21,242	37,099	32,253	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	38,034	59,879	73,496	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	19,899	56,147	69,556	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	22,404	35,395	40,336	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	42,171	79,020	96,642	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	55,528	67,863	76,692	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-2011	Actors	23,397	48,315	53,744	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	24,354	60,517	67,636	No	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	20,444	77,537	91,210	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	19,316	48,728	55,918	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	18,411	52,089	59,968	No	No	No	Some college, no degree	No	Yes	Yes
27-2031	Dancers	21,988	60,422	88,725	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	20,171	42,514	64,563	No	No	Yes	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	20,575	72,153	83,915	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	20,693	97,993	137,381	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	20,695	28,427	33,079	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	21,743	65,044	79,929	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	19,250	45,522	58,118	No	No	No	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	32,883	60,930	69,961	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	21,260	56,046	63,839	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	38,018	69,015	80,806	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	39,723	61,919	64,578	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	39,820	63,662	75,651	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	21,175	55,859	91,799	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	25,373	58,253	78,555	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4011	Audio and Video Technicians	28,945	46,608	50,963	No	No	No	Associate's degree	No	No	No
27-4012	Broadcast Technicians	32,468	63,030	79,879	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
27-4014	Sound Engineering Technicians	21,611	37,622	43,677	No	No	No	Associate's degree	No	No	No
27-4021	Photographers	18,822	39,687	58,320	No	No	No	Some college, no degree	No	No	Yes
27-4031	Camera Operators, Television, Video, and Film	36,656	58,812	64,499	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	34,375	58,572	73,053	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	29,358	70,755	100,494	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	45,056	76,227	75,170	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	115,798	236,406	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	69,718	256,626	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1023	Orthodontists	97,806	197,577	227,151	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	87,660	234,653	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	62,543	191,451	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	45,418	61,468	71,308	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041	Optometrists	52,796	100,341	130,144	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	101,057	124,255	138,324	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1071	Physician Assistants	40,780	99,592	119,171	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-1081	Podiatrists	58,819	144,929	198,735	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	41,056	77,296	96,238	Yes	Yes	Yes	Master's degree	No	No	Yes
29-1123	Physical Therapists	26,123	78,989	98,928	No	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	55,487	72,864	81,711	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	37,452	61,806	77,288	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	49,164	61,512	68,377	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	75,227	96,709	110,440	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	31,696	54,983	69,583	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	19,412	41,845	51,431	No	No	No	Bachelor's degree	No	No	No
29-1131	Veterinarians	59,867	92,277	106,435	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	51,059	72,024	84,070	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	136,946	192,449	206,373	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	23,916	73,747	108,137	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	58,903	95,601	115,436	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	54,675	81,561	91,169	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	148,718	310,458	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	93,073	159,378	185,447	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1216	General Internal Medicine Physicians	104,544	287,238	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1218	Obstetricians and Gynecologists	136,203	268,180	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	141,977	187,938	202,909	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1223	Psychiatrists	48,411	179,472	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	148,769	259,163	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	56,799	333,478	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	55,050	69,658	78,152	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	23,665	73,540	88,654	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	29,892	53,324	65,569	No	Yes	Yes	Associate's degree	No	No	Yes
29-2031	Cardiovascular Technologists and Technicians	27,049	49,757	65,315	No	No	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	48,581	66,214	76,755	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	61,125	80,633	93,533	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	35,550	55,898	66,642	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	54,347	70,263	79,333	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	26,086	39,052	42,512	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	22,127	31,792	35,711	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	27,098	37,008	40,160	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2053	Psychiatric Technicians	27,375	39,663	47,662	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2055	Surgical Technologists	29,252	46,932	57,793	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	33,042	43,068	41,074	Yes	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	32,650	45,895	53,279	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2061	Licensed Practical and Licensed Vocational Nurses	29,758	47,686	56,237	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	22,567	41,061	56,736	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	60,110	73,328	80,192	Yes	Yes	Yes	Master's degree	Yes	No	No
29-2092	Hearing Aid Specialists	31,779	69,183	79,918	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	28,861	45,085	55,646	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-9091	Athletic Trainers	32,760	41,414	45,615	Yes	No	No	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	64,967	88,130	101,584	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	31,408	64,694	80,638	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	20,014	26,252	29,451	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	19,757	27,503	31,419	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	21,792	29,092	31,565	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	27,924	32,784	34,946	No	No	No	High school diploma or equivalent	Yes	No	No
31-2011	Occupational Therapy Assistants	54,714	67,505	77,445	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	21,284	30,960	35,219	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	32,129	60,025	71,468	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
31-2022	Physical Therapist Aides	19,692	26,195	28,868	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	20,112	37,168	41,594	No	No	No	Postsecondary nondegree award	No	No	No
31-9091	Dental Assistants	28,650	43,547	51,141	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	29,135	37,552	41,369	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9093	Medical Equipment Preparers	25,693	35,232	40,722	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	29,140	38,835	41,312	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9095	Pharmacy Aides	23,780	45,367	52,537	No	No	No	High school diploma or equivalent	No	Yes	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	21,224	28,738	31,254	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	24,947	32,992	37,279	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	21,531	36,807	48,374	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	36,890	80,016	121,818	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	76,237	112,916	131,072	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	72,304	104,122	124,227	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	27,388	48,409	59,934	No	No	No	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	43,623	65,436	81,704	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	45,709	81,844	99,652	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	32,380	38,277	41,815	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	35,907	51,043	59,136	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	36,704	70,117	91,243	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	55,946	91,883	105,559	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	23,163	31,080	33,570	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	19,632	45,685	55,738	No	No	No	High school diploma or equivalent	No	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	53,652	73,645	89,071	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	49,154	70,810	84,068	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	31,684	42,332	48,541	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No

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33-9021	Private Detectives and Investigators	41,175	59,447	66,528	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	27,335	37,939	42,995	No	No	No	High school diploma or equivalent	Yes	No	No
33-9032	Security Guards	20,750	29,587	30,804	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	22,251	30,944	36,255	No	No	No	No formal educational credential	Yes	Yes	Yes
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	20,784	35,527	41,279	No	No	No	No formal educational credential	Yes	Yes	Yes
33-9093	Transportation Security Screeners	41,708	45,563	47,820	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	20,856	31,148	35,491	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	36,293	65,072	76,563	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	21,817	37,492	46,444	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,325	21,434	20,784	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	20,799	27,815	31,537	No	No	No	No formal educational credential	Yes	No	No
35-2013	Cooks, Private Household	22,988	32,937	38,637	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	18,950	30,549	36,700	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	21,084	26,211	29,418	No	No	No	No formal educational credential	Yes	No	No
35-2019	Cooks, All Other	27,137	33,363	38,314	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	19,976	26,519	30,209	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,732	25,299	29,817	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,791	22,931	24,491	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,769	25,685	27,673	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	18,954	25,090	26,414	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,791	23,858	27,448	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	19,074	23,823	26,388	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	19,491	24,523	27,101	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	20,378	24,545	25,461	No	No	No	No formal educational credential	Yes	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	27,020	41,075	43,000	No	No	No	High school diploma or equivalent	Yes	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	38,887	56,925	64,466	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,526	27,722	31,747	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,083	24,976	27,512	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	23,567	39,861	57,596	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	21,435	33,482	40,432	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	21,694	30,867	35,444	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	24,153	35,497	40,627	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	26,205	32,662	33,540	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	26,941	33,797	36,608	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	39,861	61,200	72,197	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	26,691	51,658	64,067	No	No	Yes	Some college, no degree	No	Yes	Yes
39-2011	Animal Trainers	28,025	53,638	85,049	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
39-2021	Animal Caretakers	19,770	31,844	32,518	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	20,127	27,400	30,917	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	21,514	30,087	33,974	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	21,994	37,851	39,096	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	20,826	32,675	35,809	No	No	No	No formal educational credential	Yes	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	18,822	25,902	30,262	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,809	24,919	28,818	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	26,917	42,671	48,080	No	No	No	High school diploma or equivalent	Yes	No	No
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	19,895	27,675	30,993	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	20,695	28,427	33,079	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	37,021	62,161	63,340	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
39-4021	Funeral Attendants	21,721	31,335	32,812	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	34,586	59,944	66,955	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
39-5011	Barbers	23,927	34,739	41,335	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,554	29,464	33,557	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	39,762	77,177	89,047	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	19,947	25,720	29,225	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	21,033	28,754	33,177	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	23,213	37,074	39,921	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	18,630	25,904	30,017	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	23,008	32,994	38,955	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	19,724	32,652	37,907	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	20,192	29,125	31,941	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	18,753	35,657	38,156	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	20,837	30,950	35,191	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	22,937	38,323	47,362	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	18,475	22,992	19,883	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	29,108	49,257	59,142	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	48,346	85,595	105,491	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,172	23,805	25,352	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	20,738	31,255	38,637	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2021	Counter and Rental Clerks	18,888	29,591	34,994	No	No	No	No formal educational credential	No	Yes	Yes
41-2022	Parts Salespersons	19,659	38,309	49,511	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,175	28,817	32,200	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	30,547	80,017	105,094	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-3021	Insurance Sales Agents	27,086	57,611	55,355	No	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	41,787	108,204	148,550	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-3041	Travel Agents	19,056	32,859	39,554	No	No	No	Some college, no degree	No	No	No

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41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	23,222	62,894	78,447	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	36,547	89,735	117,867	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	27,526	68,460	90,530	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	30,907	53,352	54,596	Yes	Yes	No	No formal educational credential	Yes	Yes	Yes
41-9012	Models	22,606	42,853	53,894	No	No	No	High school diploma or equivalent	No	No	Yes
41-9021	Real Estate Brokers	29,202	72,972	75,964	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	21,830	66,747	77,166	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	36,799	85,787	109,937	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
41-9041	Telemarketers	19,820	27,490	28,476	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	20,531	30,108	32,707	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	22,092	36,962	46,151	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	37,161	61,589	70,576	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	25,643	35,815	42,879	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	26,352	34,302	35,634	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	32,249	44,633	52,769	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	28,182	40,053	45,615	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	28,026	41,854	48,003	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	27,100	45,467	54,041	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	21,667	30,534	34,509	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	35,530	48,475	54,868	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	29,295	44,377	52,585	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	25,867	33,379	38,136	No	No	No	High school diploma or equivalent	No	No	No
43-3099	Financial Clerks, All Other	33,567	43,436	51,347	Yes	No	No	Some college, no degree	Yes	No	Yes
43-4011	Brokerage Clerks	38,529	57,467	68,044	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	31,976	45,725	53,173	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4031	Court, Municipal, and License Clerks	33,260	43,786	48,940	Yes	No	No	Some college, no degree	Yes	Yes	No
43-4041	Credit Authorizers, Checkers, and Clerks	28,698	56,397	64,628	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	22,686	36,311	41,790	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	27,938	35,846	41,728	No	No	No	High school diploma or equivalent	Yes	No	No
43-4071	File Clerks	25,158	37,839	43,861	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	18,562	27,440	31,079	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	26,567	44,255	50,560	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	21,356	32,497	38,000	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	27,043	46,351	57,121	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	32,533	44,447	50,552	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	24,762	34,480	38,354	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	33,688	53,670	70,214	Yes	Yes	Yes	Associate's degree	No	No	Yes
43-4171	Receptionists and Information Clerks	20,392	32,289	38,402	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	21,704	35,811	40,126	No	No	No	High school diploma or equivalent	No	No	No
43-4199	Information and Record Clerks, All Other	29,348	42,422	49,742	No	No	No	High school diploma or equivalent	Yes	No	No
43-5011	Cargo and Freight Agents	27,447	37,912	41,158	No	No	No	High school diploma or equivalent	Yes	No	No
43-5021	Couriers and Messengers	24,804	33,583	38,476	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	41,491	60,887	73,032	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5032	Dispatchers, Except Police, Fire, and Ambulance	25,077	40,770	47,911	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	31,593	37,629	39,320	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,761	51,898	62,995	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,052	53,651	65,032	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	35,393	53,053	62,988	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	29,152	49,686	61,434	No	No	No	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	23,248	34,285	38,737	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	27,492	39,009	40,625	No	No	No	High school diploma or equivalent	Yes	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	33,667	60,705	75,358	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	34,049	48,977	61,736	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	27,271	38,119	43,860	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	22,018	38,274	47,239	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	26,765	38,150	40,303	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	29,166	41,977	54,832	No	No	No	High school diploma or equivalent	Yes	No	Yes
43-9031	Desktop Publishers	41,064	136,327	190,864	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
43-9041	Insurance Claims and Policy Processing Clerks	24,628	39,777	47,194	No	No	No	High school diploma or equivalent	No	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	28,851	37,454	41,017	No	No	No	High school diploma or equivalent	Yes	No	No
43-9061	Office Clerks, General	19,969	36,884	44,240	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	25,484	41,184	41,215	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	27,012	37,221	38,168	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	35,820	60,402	74,010	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	26,241	47,587	59,176	No	No	No	Some college, no degree	No	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	29,902	64,011	55,783	No	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	22,398	40,745	51,546	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	23,884	43,432	49,929	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	28,001	37,021	41,564	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	18,312	26,114	31,295	No	No	No	No formal educational credential	No	No	No
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	18,482	22,415	23,960	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	21,946	37,036	45,824	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 21 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
45-2099	Agricultural Workers, All Other	21,470	31,670	31,998	No	No	No	No formal educational credential	Yes	Yes	No
45-3031	Fishing and Hunting Workers	22,912	35,208	45,124	No	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	39,577	45,190	49,099	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
45-4021	Fallers	29,945	41,018	44,982	Yes	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	20,520	39,588	50,410	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	25,216	36,399	42,383	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	21,547	51,753	65,186	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	44,816	70,954	84,035	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	53,977	58,994	62,882	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	24,425	44,583	54,451	No	No	No	High school diploma or equivalent	No	No	Yes
47-2022	Stonemasons	35,818	44,003	48,777	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	27,274	43,622	51,334	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	20,444	35,612	45,943	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	26,232	43,683	56,897	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	28,569	39,096	44,655	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	34,876	49,987	59,629	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	30,704	40,440	46,531	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	37,152	48,914	55,008	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	23,749	34,038	38,786	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	23,564	36,144	40,206	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	36,770	55,313	65,896	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	32,992	51,171	59,351	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2081	Drywall and Ceiling Tile Installers	26,800	39,526	47,937	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	20,651	44,906	55,029	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2111	Electricians	30,910	47,000	52,904	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	32,343	44,882	54,462	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	29,977	43,017	50,574	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	31,954	43,563	50,388	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	27,123	35,472	40,136	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	36,060	52,288	66,933	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	32,922	43,283	49,290	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	31,672	48,913	59,010	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	25,589	40,538	49,238	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	34,542	49,656	57,104	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	21,805	36,637	46,987	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	22,306	40,037	50,050	No	No	No	High school diploma or equivalent	No	No	No
47-2221	Structural Iron and Steel Workers	29,879	48,237	56,995	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	27,859	39,435	44,109	No	No	No	High school diploma or equivalent	Yes	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	28,268	34,123	37,705	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	24,430	35,470	41,488	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	32,252	35,955	39,011	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	22,606	30,829	35,918	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	32,040	42,084	48,749	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-3016	Helpers--Roofers	26,974	37,349	42,755	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	21,909	29,394	33,064	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	35,480	65,842	80,685	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	33,399	55,870	75,929	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	28,099	42,034	51,633	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	27,232	36,751	38,010	No	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	24,523	39,596	47,319	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	37,403	52,583	60,293	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	28,164	41,794	45,124	No	No	No	High school diploma or equivalent	Yes	No	No
47-4090	Miscellaneous Construction and Related Workers	34,285	47,488	55,355	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5011	Derrick Operators, Oil and Gas										
47-5012	Rotary Drill Operators, Oil and Gas	37,534	49,438	55,958	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	27,236	59,201	76,521	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	28,612	45,048	52,223	No	No	No	High school diploma or equivalent	Yes	Yes	No
47-5041	Continuous Mining Machine Operators	39,642	63,089	75,265	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	39,642	63,089	75,265	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	33,494	40,953	43,464	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	37,534	49,438	55,958	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	25,882	37,458	43,803	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	31,283	55,932	65,126	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	38,954	62,019	79,535	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	37,303	62,435	76,122	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	20,769	34,190	40,018	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	34,926	48,812	52,342	Yes	No	No	Associate's degree	No	No	No
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	35,410	58,106	72,217	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	37,207	64,334	78,170	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	30,917	47,363	56,045	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	36,934	60,151	75,768	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	32,917	51,526	62,067	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	46,369	78,411	99,575	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	27,891	41,553	49,580	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-2097	Audiovisual Equipment Installers and Repairers	21,323	30,019	26,132	No	No	No	Postsecondary nondegree award	No	No	No
49-2098	Security and Fire Alarm Systems Installers	33,443	46,280	52,668	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	29,627	73,391	95,003	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-3021	Automotive Body and Related Repairers	28,237	52,735	71,728	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	23,894	40,953	47,221	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	24,024	43,305	55,121	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	34,181	51,746	60,998	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	29,883	43,084	50,086	No	No	No	High school diploma or equivalent	Yes	No	No
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	36,878	51,441	58,963	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	39,948	61,265	69,488	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	32,055	47,370	58,626	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	28,023	40,276	47,407	No	No	No	High school diploma or equivalent	Yes	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	28,279	45,473	55,353	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3091	Bicycle Repairers	24,408	32,860	37,382	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	29,890	52,452	66,245	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	22,768	43,471	56,199	No	No	No	High school diploma or equivalent	No	No	Yes
49-9011	Mechanical Door Repairers	26,570	44,032	51,797	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	32,929	39,330	40,320	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	27,970	44,125	52,030	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	28,918	44,294	52,954	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9041	Industrial Machinery Mechanics	33,478	46,964	54,621	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	27,169	41,950	50,488	No	No	No	High school diploma or equivalent	Yes	No	No
49-9044	Millwrights	35,121	54,800	67,577	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	26,155	37,076	42,056	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	31,858	55,258	70,485	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	30,964	44,117	50,151	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	21,241	45,365	60,053	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	24,592	32,067	34,332	No	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	25,937	38,572	43,967	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	23,960	47,844	59,420	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	41,914	62,128	71,203	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	25,895	39,993	46,962	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	49,187	80,540	97,849	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	21,350	33,679	40,723	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	37,065	54,997	55,859	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	18,947	36,196	40,596	No	No	No	High school diploma or equivalent	No	No	No
49-9095	Manufactured Building and Mobile Home Installers	23,327	32,107	35,088	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	35,612	53,763	65,087	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	43,366	72,426	87,191	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	23,277	32,134	37,245	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	26,334	41,308	49,767	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	36,888	65,389	82,385	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	21,044	45,124	58,306	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	20,498	39,151	54,625	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	26,380	49,464	70,185	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-2031	Engine and Other Machine Assemblers	27,968	33,133	34,761	No	No	No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	23,365	34,628	42,762	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	28,394	39,336	43,792	No	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	19,853	32,841	38,331	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	21,647	30,649	36,299	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	28,056	37,611	41,709	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	31,252	35,805	39,179	Yes	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	24,484	31,266	34,324	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	28,001	37,021	41,564	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,137	20,955	19,568	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	21,274	30,698	35,645	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	23,152	29,890	33,527	No	No	No	No formal educational credential	Yes	Yes	Yes
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	28,197	38,921	44,196	No	No	No	High school diploma or equivalent	Yes	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	28,907	39,042	43,202	No	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	29,104	40,046	46,839	No	No	No	High school diploma or equivalent	Yes	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	21,193	31,406	33,303	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	36,617	60,228	73,540	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,152	29,329	32,560	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	25,216	41,641	48,957	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	36,945	48,663	55,226	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

Workforce Region 21 Wages by Detailed Occupation

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51-4041	Machinists	31,086	47,681	58,004	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	33,548	46,369	53,926	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4052	Pourers and Casters, Metal	28,689	45,288	54,287	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4061	Model Makers, Metal and Plastic	36,617	60,228	73,540	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	32,686	58,262	68,789	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	23,480	41,237	52,332	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	22,697	30,249	31,628	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	27,990	39,620	43,497	No	No	No	High school diploma or equivalent	Yes	No	No
51-4111	Tool and Die Makers	42,451	60,872	66,563	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	33,576	47,179	54,256	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	28,994	41,227	47,847	No	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	24,495	38,124	43,847	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	31,386	50,082	62,303	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	23,230	43,839	50,664	No	No	No	High school diploma or equivalent	No	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	28,754	39,325	43,574	No	No	No	High school diploma or equivalent	Yes	No	No
51-4199	Metal Workers and Plastic Workers, All Other	23,272	37,436	42,558	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	26,570	40,049	47,483	No	No	No	Postsecondary nondegree award	Yes	No	No
51-5112	Printing Press Operators	33,790	42,973	48,982	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-5113	Print Binding and Finishing Workers	22,912	34,826	41,968	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	19,195	25,354	29,146	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	18,789	23,926	27,518	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	19,270	38,869	39,805	No	No	No	No formal educational credential	No	Yes	Yes
51-6041	Shoe and Leather Workers and Repairers	21,634	33,854	40,745	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	20,826	32,609	39,347	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	23,152	31,168	37,130	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	27,620	38,708	46,408	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	28,175	33,974	38,637	No	No	No	High school diploma or equivalent	Yes	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	23,130	34,280	40,232	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	20,826	28,885	32,893	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	23,021	49,416	76,925	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	41,630	75,265	89,670	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	20,564	32,336	34,400	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	21,526	30,912	26,135	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	20,433	30,097	36,770	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	20,494	36,287	43,804	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	21,743	40,319	49,973	No	No	No	High school diploma or equivalent	No	No	No
51-7031	Model Makers, Wood	32,686	58,262	68,789	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood	36,617	60,228	73,540	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	24,747	43,381	57,176	No	No	No	High school diploma or equivalent	No	No	Yes
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	29,313	39,177	43,961	No	No	No	High school diploma or equivalent	Yes	No	No
51-7099	Woodworkers, All Other	24,943	44,600	62,084	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	76,914	105,166	119,199	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	55,521	88,873	111,413	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	49,187	80,540	97,849	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	40,083	59,811	67,386	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	37,884	53,019	61,784	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	34,804	56,755	69,084	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
51-8092	Gas Plant Operators	36,148	52,376	62,914	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	33,199	56,023	65,207	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	42,798	65,426	70,078	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	29,224	48,837	61,767	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	32,830	40,446	45,982	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	22,975	33,683	39,676	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	23,792	35,652	40,065	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	28,111	38,881	44,404	No	No	No	High school diploma or equivalent	Yes	No	No
51-9031	Cutters and Trimmers, Hand	22,933	38,714	46,140	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	23,718	39,029	46,306	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	26,046	37,119	42,165	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	25,139	35,995	41,433	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	26,537	55,813	75,780	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	27,375	49,624	62,031	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-9081	Dental Laboratory Technicians	19,145	42,959	56,620	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9082	Medical Appliance Technicians	27,935	50,399	59,223	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	27,561	42,685	51,043	No	No	No	High school diploma or equivalent	Yes	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	18,780	27,571	31,741	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	21,915	34,021	38,702	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	30,488	50,451	59,036	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9141	Semiconductor Processing Technicians	33,860	41,211	42,488	Yes	No	No	High school diploma or equivalent	Yes	No	No

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51-9151	Photographic Process Workers and Processing Machine Operators	19,441	29,608	25,969	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	21,209	33,619	39,079	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	45,936	67,972	79,432	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	23,567	37,884	45,911	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	26,144	37,895	43,530	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	23,709	40,570	50,126	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	20,411	29,180	36,268	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	26,155	37,076	42,056	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	28,099	40,199	45,234	No	No	No	High school diploma or equivalent	Yes	No	No
51-9197	Tire Builders	28,645	41,215	50,039	No	No	No	High school diploma or equivalent	Yes	No	No
51-9198	Helpers--Production Workers	22,850	32,562	37,547	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	19,589	29,480	33,879	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	38,004	69,510	86,284	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	33,567	54,665	64,603	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	107,219	250,881	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	59,772	130,945	175,321	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	75,910	133,942	165,995	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	46,445	69,547	79,704	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	43,375	58,244	62,713	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	23,938	31,867	34,586	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,603	31,131	39,188	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	27,689	41,596	49,533	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-3033	Light Truck Drivers	23,301	37,878	43,206	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	20,419	32,947	40,212	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	21,771	31,849	36,692	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	22,457	37,890	47,844	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	58,480	73,431	80,890	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	59,015	74,152	84,406	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	37,960	62,019	74,141	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	59,015	74,152	84,406	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	24,451	46,074	64,934	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-4099	Rail Transportation Workers, All Other	31,637	60,446	78,902	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	28,111	50,897	60,801	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	20,224	63,736	89,041	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	21,820	47,964	61,101	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	35,929	80,147	98,177	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	28,055	43,617	53,555	No	No	No	High school diploma or equivalent	Yes	No	Yes
53-6021	Parking Attendants	19,335	28,727	32,610	No	No	No	No formal educational credential	No	Yes	Yes
53-6031	Automotive and Watercraft Service Attendants	19,133	28,083	32,688	No	No	No	No formal educational credential	No	No	Yes
53-6041	Traffic Technicians	36,254	53,272	60,464	Yes	Yes	No	Associate's degree	Yes	No	No
53-6051	Transportation Inspectors	53,678	101,719	149,557	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	20,531	26,854	28,951	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	24,626	36,257	42,482	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	21,852	37,098	44,502	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	49,231	70,048	81,308	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	33,033	37,374	39,661	Yes	No	No	High school diploma or equivalent	Yes	No	No
53-7041	Hoist and Winch Operators	29,464	45,386	47,702	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	26,949	46,088	51,622	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	20,159	30,447	35,712	No	No	No	No formal educational credential	No	Yes	Yes
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	20,582	32,133	37,782	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	21,852	35,460	42,383	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7064	Packers and Packagers, Hand	20,522	31,520	42,118	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7065	Stockers and Order Fillers	20,434	29,159	33,278	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	38,364	71,214	85,618	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	22,169	44,480	52,987	No	No	No	High school diploma or equivalent	No	No	Yes
53-7073	Wellhead Pumpers	27,389	43,453	53,391	No	No	No	High school diploma or equivalent	Yes	No	Yes
53-7081	Refuse and Recyclable Material Collectors	28,069	40,504	46,846	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	21,852	37,098	44,502	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7199	Material Moving Workers, All Other	24,834	46,533	59,201	No	No	No	No formal educational credential	Yes	Yes	Yes

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11-1011	Chief Executives	59,177	186,478	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	45,856	119,378	148,456	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	20,433	78,727	115,115	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-2011	Advertising and Promotions Managers	66,492	93,995	90,769	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
11-2021	Marketing Managers	70,636	143,958	174,430	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	67,885	139,629	169,335	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	65,086	109,434	133,508	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	42,999	90,851	112,918	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	80,297	164,234	201,027	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	67,454	136,319	167,097	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	70,489	128,244	152,912	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	60,700	115,012	135,738	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	50,881	99,969	122,577	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	68,369	106,422	127,979	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	65,791	123,603	148,267	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	62,965	115,403	140,336	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	40,363	86,776	91,996	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
11-9021	Construction Managers	65,797	120,161	135,853	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	27,855	44,424	55,269	No	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	44,233	89,822	108,940	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	52,780	111,371	131,286	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	45,061	82,252	102,182	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9041	Architectural and Engineering Managers	71,078	132,025	166,100	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	24,377	61,664	79,390	No	Yes	Yes	Some college, no degree	No	Yes	Yes
11-9071	Gambling Managers	42,242	71,500	75,099	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	54,239	79,359	84,377	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9111	Medical and Health Services Managers	47,731	118,497	134,092	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	50,242	108,195	142,741	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	78,356	96,528	106,488	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	35,684	62,916	76,378	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	44,592	80,978	96,343	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
11-9161	Emergency Management Directors	63,808	98,754	113,537	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	46,009	89,473	109,480	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	45,436	99,773	127,523	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	37,556	63,434	74,716	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1020	Buyers and Purchasing Agents	38,642	64,253	77,120	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	40,510	64,807	80,648	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	49,398	67,451	78,127	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	33,807	83,470	98,070	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	37,184	71,670	95,449	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	36,457	63,689	77,117	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors										
13-1075	Labor Relations Specialists	18,760	47,576	59,555	No	No	No	Bachelor's degree	No	No	No
13-1081	Logisticians	35,028	64,422	81,589	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	37,719	86,596	103,654	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	24,035	48,094	59,921	No	No	No	Bachelor's degree	No	No	No
13-1131	Fundraisers	21,533	44,982	57,220	No	No	No	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	40,200	56,879	66,991	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	25,506	62,858	77,996	No	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	24,799	66,889	80,677	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	32,083	70,671	91,346	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	46,886	79,962	92,791	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2020	Property Appraisers and Assessors	54,780	82,511	100,527	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2031	Budget Analysts	47,673	73,669	87,712	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	43,856	80,526	90,647	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2052	Personal Financial Advisors	36,228	84,055	102,479	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2053	Insurance Underwriters	31,946	62,570	75,516	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	51,612	85,435	100,259	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
13-2071	Credit Counselors	35,535	49,780	51,783	Yes	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	34,947	68,168	76,834	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	31,144	56,957	76,113	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	18,218	27,334	36,998	No	No	No	Postsecondary nondegree award	No	No	No
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	34,805	64,370	78,214	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	37,125	98,777	120,941	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-1212	Information Security Analysts	54,592	92,323	116,264	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	106,604	152,211	175,402	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	27,027	69,309	82,326	No	Yes	Yes	Associate's degree	No	Yes	Yes
15-1232	Computer User Support Specialists	29,098	54,252	63,773	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	56,814	103,090	130,245	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	49,512	88,870	106,480	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1245	Database Administrators and Architects	55,477	105,056	128,780	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	48,657	85,006	102,790	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	56,356	103,647	127,920	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	35,846	69,323	84,777	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

Workforce Region 22 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
15-1299	Computer Occupations, All Other	33,105	71,366	92,618	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2011	Actuaries	83,251	127,873	156,859	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	76,914	115,301	130,393	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	41,558	75,504	90,683	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2041	Statisticians	42,052	69,980	87,594	Yes	Yes	Yes	Master's degree	Yes	No	No
15-2098	Data Scientists and Mathematical Science Occupations, All Other	51,321	129,714	189,702	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	49,998	88,143	100,441	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-1012	Landscape Architects	58,258	82,186	99,691	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1021	Cartographers and Photogrammetrists	47,537	71,144	81,969	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	40,424	72,586	91,312	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	65,815	104,064	137,732	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	47,756	88,097	108,934	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	66,447	95,657	115,460	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	54,647	106,684	134,903	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	45,469	93,850	118,674	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	65,700	104,362	126,031	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	62,507	97,703	117,583	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	77,979	111,259	128,749	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	46,107	80,248	98,536	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	60,096	89,537	105,201	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	39,047	80,060	104,257	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
17-2121	Marine Engineers and Naval Architects	66,163	84,917	98,290	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
17-2131	Materials Engineers	87,311	96,558	103,291	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	58,710	93,129	112,548	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	80,278	129,017	157,924	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	94,005	118,566	133,921	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	80,802	175,507	215,782	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	44,289	82,636	93,363	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-3011	Architectural and Civil Drafters	37,987	53,703	62,220	Yes	Yes	Yes	Associate's degree	Yes	No	No
17-3012	Electrical and Electronics Drafters	22,758	54,386	69,083	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3013	Mechanical Drafters	38,481	64,321	76,989	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	37,182	63,989	78,331	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3021	Aerospace Engineering and Operations Technologists and Technicians	44,469	74,982	96,714	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	36,195	63,787	80,163	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	29,340	57,781	71,323	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	36,246	58,033	67,348	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3025	Environmental Engineering Technologists and Technicians	29,650	47,756	57,170	Yes	No	No	Associate's degree	No	No	No
17-3026	Industrial Engineering Technologists and Technicians	39,010	61,114	73,467	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	33,553	57,697	68,636	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3031	Surveying and Mapping Technicians	33,131	45,989	52,925	Yes	No	No	Associate's degree	Yes	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	40,775	56,232	63,769	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
19-1011	Animal Scientists	45,408	70,755	84,701	Yes	Yes	Yes	Master's degree	Yes	No	No
19-1012	Food Scientists and Technologists	51,330	74,730	85,732	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1013	Soil and Plant Scientists	34,772	78,913	107,099	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
19-1021	Biochemists and Biophysicists	48,160	87,245	99,357	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	40,691	57,565	73,372	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	35,416	57,989	65,262	Yes	Yes	Yes	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	37,087	67,802	95,331	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1031	Conservation Scientists	35,145	63,056	70,466	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1032	Foresters	50,716	82,866	105,985	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-1041	Epidemiologists	69,889	94,143	97,916	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
19-1042	Medical Scientists, Except Epidemiologists	45,818	96,715	128,615	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	55,062	113,914	142,865	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	93,558	159,639	181,262	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	93,558	159,639	181,262	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	64,651	108,104	127,062	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	31,065	61,513	73,311	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	54,243	112,702	146,556	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	36,217	58,894	69,732	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	56,635	98,887	125,632	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	50,328	82,520	113,907	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-2099	Physical Scientists, All Other	51,851	127,958	149,788	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	53,017	73,474	84,439	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3022	Survey Researchers	32,227	78,935	104,074	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3031	Clinical, Counseling, and School Psychologists	19,851	73,697	80,235	No	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	32,227	78,935	104,074	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	67,823	81,820	83,745	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
19-3041	Sociologists	57,923	82,735	100,361	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3051	Urban and Regional Planners	46,381	75,962	90,472	Yes	Yes	Yes	Master's degree	Yes	No	Yes
19-3091	Anthropologists and Archeologists	35,940	60,315	75,102	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	69,903	91,799	106,258	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	27,269	63,984	93,962	No	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists	68,418	108,803	125,424	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	36,022	71,204	98,057	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4010	Agricultural and Food Science Technicians	18,491	36,758	49,724	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	19,741	43,163	52,928	No	No	No	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	30,929	49,827	63,642	Yes	No	Yes	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	22,089	38,295	52,271	No	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	28,743	50,847	61,571	No	No	Yes	Associate's degree	No	No	No
19-4051	Nuclear Technicians	76,914	105,166	119,199	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	19,634	64,716	90,873	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	34,094	51,338	61,385	Yes	No	Yes	Associate's degree	Yes	No	No
19-4092	Forensic Science Technicians	43,983	63,340	72,205	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	19,261	42,286	49,876	No	No	No	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	36,841	67,309	82,060	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	47,236	72,362	86,587	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	22,350	50,145	61,863	No	No	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	36,237	51,565	60,032	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	32,798	45,440	48,937	Yes	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	32,101	47,248	57,134	Yes	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	20,293	38,847	49,197	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	28,081	48,106	59,324	No	No	No	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	32,664	52,068	62,722	Yes	No	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	25,728	39,475	47,201	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	34,139	54,510	70,469	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	32,826	66,116	85,521	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	32,634	48,362	54,227	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	26,433	41,310	48,714	No	No	No	Some college, no degree	Yes	No	Yes
21-1094	Community Health Workers	27,785	48,043	59,272	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	33,147	49,037	59,345	Yes	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	29,344	57,193	63,794	No	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	21,314	35,500	44,825	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	19,449	33,351	38,135	No	No	No	Bachelor's degree	No	No	No
23-1011	Lawyers	47,062	172,755	191,069	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
23-1012	Judicial Law Clerks	33,112	56,078	63,438	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	42,427	112,014	137,175	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	45,327	71,862	93,515	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
23-1023	Judges, Magistrate Judges, and Magistrates	159,519	205,069	187,072	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	35,565	59,276	68,029	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
23-2093	Title Examiners, Abstractors, and Searchers	38,097	53,414	61,821	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	26,097	64,269	67,811	No	Yes	Yes	Associate's degree	No	Yes	Yes
25-1011	Business Teachers, Postsecondary	54,205	93,325	120,745	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	50,989	107,940	135,100	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	46,610	90,849	119,898	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	28,962	99,040	123,590	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	59,147	120,892	148,085	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	60,544	114,198	138,999	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1042	Biological Science Teachers, Postsecondary	46,238	98,363	120,444	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	75,397	123,568	145,333	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	52,146	103,921	128,744	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	57,181	96,168	113,586	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	25,587	82,167	96,452	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	53,326	103,463	130,732	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	63,602	101,661	114,875	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	47,407	87,813	106,662	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	64,978	119,221	140,211	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1064	Geography Teachers, Postsecondary	57,356	95,469	112,450	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	57,869	102,873	115,901	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	19,860	77,577	104,736	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	47,003	88,731	108,191	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	48,215	91,887	121,908	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	62,761	127,390	135,908	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	43,114	74,287	88,873	Yes	Yes	Yes	Master's degree	Yes	No	No
25-1081	Education Teachers, Postsecondary	52,293	86,952	114,084	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	47,931	77,548	91,395	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	32,844	44,663	46,894	Yes	No	No	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	61,374	166,137	220,194	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	40,276	81,643	96,102	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	37,808	78,417	99,245	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	36,848	57,120	64,051	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	28,157	51,439	61,064	No	No	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	66,937	94,837	105,672	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1125	History Teachers, Postsecondary	31,845	90,959	104,598	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	49,307	102,261	120,248	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	46,358	74,741	88,698	Yes	Yes	Yes	Master's degree	Yes	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	36,442	73,409	89,026	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	34,408	51,357	60,026	Yes	No	No	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	25,063	61,025	76,707	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	21,069	33,354	40,219	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	43,365	56,595	63,741	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2021	Elementary School Teachers, Except Special Education	18,435	32,717	45,551	No	No	No	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	38,326	57,519	66,347	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	32,729	64,476	82,353	Yes	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	37,628	55,706	64,411	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2032	Career/Technical Education Teachers, Secondary School	47,658	71,236	81,053	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	35,001	67,927	86,405	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	39,968	52,922	59,585	Yes	Yes	No	Bachelor's degree	No	No	No
25-2057	Special Education Teachers, Middle School	44,797	65,120	76,434	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	45,627	68,866	82,495	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	30,600	56,602	68,811	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	38,749	59,024	65,770	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	19,076	36,123	46,858	No	No	No	Some college, no degree	No	No	No
25-3031	Substitute Teachers, Short-Term	18,593	25,301	29,577	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	26,490	53,872	62,151	No	Yes	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	29,846	47,560	55,401	Yes	No	No	Master's degree	No	No	No
25-4012	Curators	37,113	108,275	154,920	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-4013	Museum Technicians and Conservators	37,504	44,403	48,881	Yes	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	29,982	58,147	67,054	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	26,040	35,028	40,371	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	25,938	44,858	53,342	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	35,094	59,212	70,944	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	20,902	41,641	53,730	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	20,304	24,607	24,882	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	21,146	41,216	49,719	No	No	No	Bachelor's degree	No	No	No
27-1011	Art Directors	55,990	93,601	111,997	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	20,029	35,798	42,984	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	22,755	49,571	69,209	No	No	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	43,471	59,916	64,532	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1019	Artists and Related Workers, All Other	33,177	93,590	114,416	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	28,787	63,370	76,504	No	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	32,476	43,420	40,201	Yes	No	No	Bachelor's degree	No	No	No
27-1023	Floral Designers	22,043	31,324	36,359	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	21,856	48,040	60,950	No	No	No	Bachelor's degree	No	No	No
27-1025	Interior Designers	18,585	43,405	52,535	No	No	No	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	21,180	32,426	36,704	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	24,692	53,741	66,736	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	23,032	49,876	68,746	No	No	Yes	Bachelor's degree	No	No	No
27-2011	Actors	23,397	48,315	53,744	No	No	No	Some college, no degree	No	Yes	Yes
27-2012	Producers and Directors	23,961	75,429	86,160	No	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	20,444	77,537	91,210	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	20,429	36,444	42,982	No	No	No	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	26,404	46,653	59,768	No	No	No	Some college, no degree	Yes	Yes	Yes
27-2031	Dancers	21,988	60,422	88,725	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	20,171	42,514	64,563	No	No	Yes	Some college, no degree	No	Yes	Yes
27-2041	Music Directors and Composers	18,517	44,174	60,665	No	No	No	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	36,067	110,926	132,350	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	20,695	28,427	33,079	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	30,320	87,262	141,561	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-3023	News Analysts, Reporters, and Journalists	31,452	69,226	80,300	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	32,288	60,187	72,371	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	26,942	53,333	67,853	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	33,129	49,122	62,128	Yes	No	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	18,854	45,318	58,800	No	No	No	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	19,227	52,148	71,400	No	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	21,175	55,859	91,799	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
27-3099	Media and Communication Workers, All Other	18,720	42,517	67,747	No	No	Yes	Associate's degree	No	No	Yes
27-4011	Audio and Video Technicians	29,937	52,562	67,788	Yes	Yes	Yes	Associate's degree	No	No	Yes
27-4012	Broadcast Technicians	22,802	46,973	56,480	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	25,784	61,713	70,886	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	18,577	35,909	37,586	No	No	No	Some college, no degree	No	No	No
27-4031	Camera Operators, Television, Video, and Film	34,269	55,350	70,716	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	29,766	53,274	62,546	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	23,407	79,169	127,771	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	33,993	52,736	63,589	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	90,794	146,417	156,681	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1022	Oral and Maxillofacial Surgeons	69,718	256,626	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1023	Orthodontists	97,806	197,577	227,151	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	87,660	234,653	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	62,543	191,451	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1031	Dietitians and Nutritionists	34,514	58,070	70,598	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	30,284	81,757	124,502	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	81,949	122,605	141,239	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1071	Physician Assistants	50,973	106,059	128,274	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	55,353	75,254	67,987	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1122	Occupational Therapists	51,066	82,212	100,176	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	55,524	85,733	103,091	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	56,728	85,192	96,469	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	37,227	50,308	57,116	Yes	No	No	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	44,988	59,334	66,862	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	44,884	76,173	98,224	Yes	Yes	Yes	Master's degree	Yes	No	Yes
29-1128	Exercise Physiologists	42,450	55,715	63,911	Yes	Yes	Yes	Master's degree	Yes	No	No
29-1129	Therapists, All Other	34,684	56,263	65,852	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	62,025	204,473	137,612	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	No
29-1141	Registered Nurses	53,592	71,952	81,828	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	137,178	157,494	168,241	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	23,916	73,747	108,137	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	57,220	120,727	133,085	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	54,202	74,427	90,905	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	131,872	277,311	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	39,284	163,377	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1216	General Internal Medicine Physicians	55,674	228,996	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1218	Obstetricians and Gynecologists	136,203	268,180	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	64,246	172,842	215,378	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1223	Psychiatrists	51,157	161,405	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	121,240	242,683	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	42,812	207,743	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	29,843	65,652	78,248	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	42,331	89,543	84,287	Yes	Yes	Yes	Master's degree	Yes	Yes	No
29-2010	Clinical Laboratory Technologists and Technicians	29,595	54,943	70,929	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	26,316	49,134	68,522	No	No	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	51,238	66,146	77,748	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	56,454	76,581	83,998	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	35,871	56,644	67,658	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	43,890	67,174	79,665	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	25,505	40,366	47,848	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	20,334	30,078	33,358	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	25,789	34,670	39,032	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	25,663	33,484	37,848	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	34,001	48,771	56,840	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	31,929	44,457	50,768	Yes	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	32,769	42,488	48,464	Yes	No	No	Postsecondary nondegree award	Yes	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	36,535	48,298	55,028	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	22,381	37,265	53,638	No	No	No	Postsecondary nondegree award	No	No	Yes
29-2091	Orthotists and Prosthetists	40,559	83,500	98,625	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-2092	Hearing Aid Specialists	31,779	69,183	79,918	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	26,872	47,305	56,382	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-9091	Athletic Trainers	38,212	50,974	54,998	Yes	No	No	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	64,967	88,130	101,584	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	33,740	61,877	82,045	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	19,400	24,309	26,404	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,432	29,705	32,698	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	19,975	28,013	30,783	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	27,924	32,784	34,946	No	No	No	High school diploma or equivalent	Yes	No	No
31-2011	Occupational Therapy Assistants	52,129	66,445	75,492	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	21,284	30,960	35,219	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	32,629	62,450	71,435	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2022	Physical Therapist Aides	20,631	31,163	36,475	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	23,239	36,014	40,213	No	No	No	Postsecondary nondegree award	No	No	No
31-9091	Dental Assistants	31,579	44,844	51,877	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
31-9092	Medical Assistants	27,711	37,322	41,235	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	24,046	35,500	40,401	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	28,150	64,559	51,206	No	Yes	No	Postsecondary nondegree award	No	Yes	No
31-9095	Pharmacy Aides	28,715	38,118	42,021	No	No	No	High school diploma or equivalent	Yes	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	23,005	29,832	33,605	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	27,160	35,910	40,302	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	22,370	40,288	52,264	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	37,513	52,321	53,959	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	63,820	105,114	128,177	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	74,143	102,792	118,759	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	23,939	43,148	54,976	No	No	No	Some college, no degree	No	Yes	Yes
33-2011	Firefighters	46,404	69,252	82,576	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	57,167	78,591	90,209	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	32,380	38,277	41,815	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	35,907	51,043	59,136	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	33,592	49,733	59,212	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	49,757	103,770	141,723	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	23,163	31,080	33,570	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	33,118	42,036	48,188	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	53,333	76,441	88,167	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	49,154	70,810	84,068	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	29,628	42,340	47,865	Yes	No	No	Postsecondary nondegree award	Yes	No	No

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33-9021	Private Detectives and Investigators	34,650	55,963	63,531	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	26,556	35,554	39,830	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	20,279	27,966	30,987	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	19,896	27,383	30,678	No	No	No	No formal educational credential	No	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	22,994	37,394	42,554	No	No	No	No formal educational credential	Yes	Yes	Yes
33-9093	Transportation Security Screeners	38,129	43,622	45,574	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	19,296	33,794	37,949	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	30,457	53,599	73,676	Yes	Yes	Yes	Associate's degree	No	No	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	21,992	40,678	53,294	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,517	21,260	22,413	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	19,561	29,548	36,188	No	No	No	No formal educational credential	No	Yes	Yes
35-2013	Cooks, Private Household	22,988	32,937	38,637	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	21,860	31,015	34,904	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	21,475	27,245	30,630	No	No	No	No formal educational credential	Yes	No	No
35-2019	Cooks, All Other	20,427	41,518	58,473	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	19,435	26,915	31,514	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,456	23,802	22,624	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,846	22,052	23,433	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,777	28,310	30,274	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	19,111	26,568	30,532	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,785	23,784	25,697	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	19,402	24,623	28,209	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	18,779	23,121	25,368	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	20,067	25,709	28,853	No	No	No	No formal educational credential	Yes	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	24,166	41,654	50,051	No	No	No	High school diploma or equivalent	No	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	34,643	52,445	63,781	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,598	27,683	31,593	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,374	25,484	28,505	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	23,567	39,861	57,596	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	28,980	40,596	46,939	No	No	No	High school diploma or equivalent	Yes	No	No
37-3011	Landscaping and Groundskeeping Workers	20,889	32,762	38,550	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	21,728	36,527	39,993	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	18,964	34,320	44,633	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	28,590	39,140	43,290	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	39,792	48,903	51,739	Yes	No	No	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	25,348	43,102	50,984	No	No	No	Some college, no degree	No	Yes	Yes
39-2011	Animal Trainers	32,478	41,592	42,995	Yes	No	No	High school diploma or equivalent	Yes	No	No
39-2021	Animal Caretakers	19,541	26,594	28,889	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	18,529	23,928	23,314	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	21,514	30,087	33,974	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	19,445	27,017	29,097	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	20,826	32,675	35,809	No	No	No	No formal educational credential	Yes	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	19,370	28,050	32,002	No	No	No	No formal educational credential	No	No	Yes
39-3091	Amusement and Recreation Attendants	18,710	23,501	26,274	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	28,601	61,484	80,114	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	19,270	24,894	28,782	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	20,695	28,427	33,079	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	37,021	62,161	63,340	Yes	Yes	Yes	Associate's degree	Yes	Yes	No
39-4021	Funeral Attendants	23,261	32,729	34,586	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	26,713	48,168	58,298	No	No	No	Associate's degree	No	No	No
39-5011	Barbers	23,927	34,739	41,335	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,439	29,094	34,583	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	39,762	77,177	89,047	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	20,573	27,416	30,893	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	21,033	28,754	33,177	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	25,631	32,912	37,850	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	18,963	24,400	28,282	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	20,107	30,385	35,573	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	22,392	31,850	33,850	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	19,514	28,559	33,421	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	19,035	39,062	51,979	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	19,211	32,245	37,439	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	19,614	35,748	41,556	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	19,336	34,480	47,348	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	27,419	49,504	60,268	No	No	No	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	40,438	86,147	105,664	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,109	25,680	25,987	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	23,858	33,252	37,961	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2021	Counter and Rental Clerks	20,271	30,711	36,053	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	21,161	37,579	37,807	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,252	30,155	31,998	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	21,724	49,805	60,675	No	No	No	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	23,191	60,149	68,275	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	35,670	77,875	97,813	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	21,830	44,131	54,265	No	No	No	Some college, no degree	No	Yes	Yes

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41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	29,027	66,162	82,623	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	41,098	97,801	122,154	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	23,895	62,577	75,604	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-9011	Demonstrators and Product Promoters	21,936	44,877	58,008	No	No	No	No formal educational credential	Yes	Yes	Yes
41-9012	Models	22,606	42,853	53,894	No	No	No	High school diploma or equivalent	No	No	Yes
41-9021	Real Estate Brokers	29,202	72,972	75,964	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	24,813	66,441	77,782	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	72,639	117,255	143,757	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	20,702	27,870	29,357	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	20,531	30,108	32,707	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	19,963	38,449	40,209	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	34,370	62,155	73,743	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	24,025	35,069	40,571	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	23,783	31,664	32,713	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	32,249	44,633	52,769	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	27,588	38,459	42,143	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	25,890	40,944	49,323	No	No	No	High school diploma or equivalent	No	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	27,446	44,618	51,386	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	20,473	26,470	29,797	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	33,043	45,058	50,987	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	29,527	43,663	50,694	No	No	No	Associate's degree	No	No	No
43-3071	Tellers	27,308	33,564	37,806	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	32,633	43,534	50,650	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	35,002	60,264	75,734	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	31,976	45,725	53,173	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-4031	Court, Municipal, and License Clerks	32,584	44,234	49,564	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	32,396	44,537	50,050	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	24,981	37,359	42,866	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	25,992	37,531	46,062	No	No	No	High school diploma or equivalent	No	No	No
43-4071	File Clerks	24,433	38,279	45,686	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	21,151	28,187	30,630	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	24,197	50,874	60,480	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-4121	Library Assistants, Clerical	21,067	27,292	30,736	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	29,787	46,343	55,983	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-4141	New Accounts Clerks	33,817	38,623	40,876	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	23,304	37,710	44,383	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	26,761	38,594	45,413	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	21,466	32,233	37,575	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	22,158	40,948	53,626	No	No	No	High school diploma or equivalent	No	No	Yes
43-4199	Information and Record Clerks, All Other	29,309	40,743	48,019	No	No	No	High school diploma or equivalent	Yes	No	No
43-5011	Cargo and Freight Agents	28,361	42,640	50,322	No	No	No	High school diploma or equivalent	Yes	No	No
43-5021	Couriers and Messengers	23,404	31,530	36,466	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	36,541	57,406	71,957	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5032	Dispatchers, Except Police, Fire, and Ambulance	26,720	40,427	42,570	No	No	No	High school diploma or equivalent	Yes	No	No
43-5041	Meter Readers, Utilities	26,689	40,452	42,558	No	No	No	High school diploma or equivalent	No	No	No
43-5051	Postal Service Clerks	37,763	53,684	62,999	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,048	53,876	65,032	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	45,238	61,214	64,260	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	25,173	40,853	48,159	No	No	No	Some college, no degree	No	No	No
43-5071	Shipping, Receiving, and Inventory Clerks	24,804	34,771	39,961	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	23,492	34,128	38,865	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	34,122	58,411	72,058	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	33,553	49,319	58,541	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	27,582	37,095	41,135	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	20,797	37,601	46,005	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	22,845	35,870	39,032	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	21,989	30,959	35,341	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	31,419	57,792	63,154	Yes	Yes	Yes	Associate's degree	No	Yes	No
43-9041	Insurance Claims and Policy Processing Clerks	25,468	37,712	43,574	No	No	No	High school diploma or equivalent	No	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	25,157	35,491	40,132	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	19,698	37,095	42,747	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	22,334	34,910	40,101	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	29,060	46,227	61,287	No	No	Yes	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	35,820	60,402	74,010	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	20,161	41,407	49,301	No	No	No	Some college, no degree	No	No	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	34,182	60,894	67,042	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	22,398	40,745	51,546	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	23,884	43,432	49,929	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	28,001	37,021	41,564	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	25,314	36,639	41,881	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	20,608	32,081	42,193	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	22,912	35,208	45,124	No	No	No	No formal educational credential	Yes	Yes	Yes

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45-2099	Agricultural Workers, All Other	21,470	31,670	31,998	No	No	No	No formal educational credential	Yes	Yes	Yes
45-3031	Fishing and Hunting Workers	22,912	35,208	45,124	No	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	39,577	45,190	49,099	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	29,945	41,018	44,982	Yes	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	20,520	39,588	50,410	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	25,216	36,399	42,383	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	21,547	51,753	65,186	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	40,816	66,241	79,563	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	38,299	56,678	66,507	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	35,583	48,647	55,889	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2022	Stonemasons	35,940	43,191	47,592	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	29,671	44,293	50,682	Yes	No	No	Postsecondary nondegree award	Yes	No	No
47-2041	Carpet Installers	20,444	35,612	45,943	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	26,232	43,683	56,897	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	28,569	39,096	44,655	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	28,968	40,900	48,865	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	33,372	44,916	50,290	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	33,565	45,548	55,004	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	20,049	34,405	39,834	No	No	No	No formal educational credential	No	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	32,422	36,644	39,633	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	40,549	51,860	59,796	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	24,757	48,309	61,364	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-2081	Drywall and Ceiling Tile Installers	21,264	28,210	32,306	No	No	No	No formal educational credential	Yes	No	Yes
47-2082	Tapers	20,651	44,906	55,029	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2111	Electricians	27,735	46,269	56,569	No	No	No	Postsecondary nondegree award	No	Yes	Yes
47-2121	Glaziers	32,008	47,554	58,130	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2131	Insulation Workers, Floor, Ceiling, and Wall	29,977	43,017	50,574	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	33,521	42,925	48,782	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	28,299	37,246	40,339	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	36,060	52,288	66,933	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	32,556	41,586	47,209	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	28,886	46,029	55,369	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	24,965	41,258	49,919	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	34,542	49,656	57,104	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	22,638	35,809	43,783	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	33,090	44,027	49,758	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2221	Structural Iron and Steel Workers	29,879	48,237	56,995	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	27,859	39,435	44,109	No	No	No	High school diploma or equivalent	Yes	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	24,255	33,308	39,009	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	21,796	30,820	36,725	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	25,582	31,515	36,124	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	22,606	30,829	35,918	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	27,378	33,369	37,306	No	No	No	High school diploma or equivalent	Yes	No	No
47-3016	Helpers--Roofers	26,974	37,349	42,755	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	26,338	32,315	36,033	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	41,878	65,780	79,462	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	52,614	79,020	97,213	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	28,099	42,034	51,633	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	32,058	46,217	51,431	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-4051	Highway Maintenance Workers	24,288	40,192	49,183	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	37,403	52,583	60,293	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	27,153	37,201	41,413	No	No	No	High school diploma or equivalent	Yes	No	No
47-4090	Miscellaneous Construction and Related Workers	27,736	36,836	39,694	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	25,882	37,458	43,803	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	37,534	49,438	55,958	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	27,236	59,201	76,521	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	32,985	43,110	49,416	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-5041	Continuous Mining Machine Operators	39,642	63,089	75,265	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining										
47-5044	Loading and Moving Machine Operators, Underground Mining	39,642	63,089	75,265	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	33,494	40,953	43,464	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	37,534	49,438	55,958	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	25,882	37,458	43,803	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	28,896	50,082	58,229	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	38,954	62,019	79,535	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	34,915	65,289	80,023	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	27,005	47,245	59,401	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	33,063	67,822	82,751	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	39,034	65,156	78,219	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	33,082	53,104	66,840	Yes	Yes	Yes	Associate's degree	Yes	No	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	33,668	45,322	52,143	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	35,415	64,223	76,906	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	36,015	55,705	67,876	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	46,369	78,411	99,575	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	26,974	30,568	32,317	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	26,505	48,051	60,992	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-2098	Security and Fire Alarm Systems Installers	30,803	46,772	56,393	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	33,214	72,620	93,500	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-3021	Automotive Body and Related Repairers	32,978	61,532	88,344	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	23,894	40,953	47,221	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	26,528	47,054	57,969	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	36,931	57,776	70,849	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	29,027	46,424	56,285	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	38,516	57,125	67,818	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	39,948	61,265	69,488	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	33,836	55,870	67,592	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	28,023	40,276	47,407	No	No	No	High school diploma or equivalent	Yes	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	30,072	42,151	48,445	Yes	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	21,580	26,370	29,479	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	29,890	52,452	66,245	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	21,928	33,167	39,067	No	No	No	High school diploma or equivalent	No	No	No
49-9011	Mechanical Door Repairers	26,570	44,032	51,797	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	35,640	48,672	57,025	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	19,283	46,546	58,440	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9031	Home Appliance Repairers	28,848	38,110	43,013	No	No	No	Postsecondary nondegree award	Yes	No	No
49-9041	Industrial Machinery Mechanics	34,011	48,616	57,923	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	23,096	38,061	47,720	No	No	No	High school diploma or equivalent	No	No	No
49-9044	Millwrights	35,121	54,800	67,577	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	26,155	37,076	42,056	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	35,336	61,250	79,481	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	35,082	49,961	57,357	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	21,241	45,365	60,053	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	44,354	60,656	70,043	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9063	Musical Instrument Repairers and Tuners	25,937	38,572	43,967	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	23,960	47,844	59,420	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	41,914	62,128	71,203	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	26,090	38,638	45,834	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	49,187	80,540	97,849	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	19,505	27,180	30,228	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	37,065	54,997	55,859	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	29,757	47,791	62,009	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9095	Manufactured Building and Mobile Home Installers	23,327	32,107	35,088	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	33,887	51,355	60,836	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	43,366	72,426	87,191	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	21,796	38,160	49,473	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	21,508	37,322	40,264	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	35,950	62,610	75,164	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	21,044	45,124	58,306	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	20,498	39,151	54,625	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	21,047	29,591	34,497	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	27,968	33,133	34,761	No	No	No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	30,929	41,762	49,287	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2051	Fiberglass Laminators and Fabricators	33,171	44,755	51,329	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	21,218	34,861	42,469	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	21,242	30,561	36,209	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	20,880	34,026	41,536	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	20,698	28,258	35,346	No	No	No	No formal educational credential	Yes	No	Yes
51-3023	Slaughterers and Meat Packers	24,484	31,266	34,324	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	28,001	37,021	41,564	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	18,507	23,749	25,738	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	21,274	30,698	35,645	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	23,152	29,890	33,527	No	No	No	No formal educational credential	Yes	Yes	Yes
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	25,820	37,305	45,209	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	28,907	39,042	43,202	No	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	29,104	40,046	46,839	No	No	No	High school diploma or equivalent	Yes	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	23,732	34,238	41,179	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	36,617	60,228	73,540	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,349	29,352	36,117	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	25,216	41,641	48,957	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	36,945	48,663	55,226	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

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51-4041	Machinists	32,592	46,857	53,058	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	33,548	46,369	53,926	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4052	Pourers and Casters, Metal	28,689	45,288	54,287	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4061	Model Makers, Metal and Plastic	36,617	60,228	73,540	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	32,686	58,262	68,789	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	23,480	41,237	52,332	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	20,662	31,816	36,821	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	27,134	37,174	40,940	No	No	No	High school diploma or equivalent	Yes	No	No
51-4111	Tool and Die Makers	40,244	64,589	78,832	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	30,344	43,568	50,510	Yes	No	No	Postsecondary nondegree award	Yes	No	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	19,316	30,861	38,389	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	24,495	38,124	43,847	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	31,386	50,082	62,303	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	31,233	42,536	46,042	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	28,754	39,325	43,574	No	No	No	High school diploma or equivalent	Yes	No	No
51-4199	Metal Workers and Plastic Workers, All Other	23,272	37,436	42,558	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	25,208	40,298	49,150	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	27,546	38,172	43,710	No	No	No	High school diploma or equivalent	Yes	No	No
51-5113	Print Binding and Finishing Workers	23,826	35,043	41,120	No	No	No	High school diploma or equivalent	No	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,869	24,330	27,810	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	20,997	26,044	29,293	No	No	No	No formal educational credential	Yes	No	No
51-6031	Sewing Machine Operators	18,765	26,331	29,802	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	21,634	33,854	40,745	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	20,826	32,609	39,347	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	23,152	31,168	37,130	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	20,965	32,691	39,436	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	28,175	33,974	38,637	No	No	No	High school diploma or equivalent	Yes	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	27,430	33,010	37,486	No	No	No	High school diploma or equivalent	Yes	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	20,826	28,885	32,893	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	23,021	49,416	76,925	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	41,630	75,265	89,670	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	20,564	32,336	34,400	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	26,341	42,613	50,596	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	20,433	30,097	36,770	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	23,386	39,851	49,126	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	19,039	41,746	55,485	No	No	No	High school diploma or equivalent	No	No	Yes
51-7031	Model Makers, Wood	32,686	58,262	68,789	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood	36,617	60,228	73,540	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	26,176	29,730	31,448	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	19,715	34,590	40,690	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	24,943	44,600	62,084	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	76,914	105,166	119,199	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	55,521	88,873	111,413	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	49,187	80,540	97,849	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	42,645	63,668	71,858	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	37,980	53,362	61,950	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	34,804	56,755	69,084	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-8092	Gas Plant Operators	36,148	52,376	62,914	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	33,199	56,023	65,207	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	42,798	65,426	70,078	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	28,039	37,386	40,161	No	No	No	High school diploma or equivalent	Yes	No	No
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	26,952	41,914	50,486	No	No	No	High school diploma or equivalent	Yes	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	23,055	35,954	43,999	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	25,183	36,650	41,531	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	27,142	44,226	53,556	No	No	No	High school diploma or equivalent	Yes	No	Yes
51-9031	Cutters and Trimmers, Hand	22,933	38,714	46,140	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	23,552	36,202	43,153	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	24,415	34,242	38,730	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	25,139	35,995	41,433	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	24,012	49,693	54,964	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	30,093	42,713	42,737	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9081	Dental Laboratory Technicians	26,021	36,702	40,331	No	No	No	Postsecondary nondegree award	No	No	No
51-9082	Medical Appliance Technicians	22,690	32,999	37,548	No	No	No	Postsecondary nondegree award	No	No	No
51-9083	Ophthalmic Laboratory Technicians	19,667	30,689	35,176	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	20,057	31,357	37,711	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	21,536	35,874	46,260	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	26,938	44,805	50,506	No	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians	31,004	45,670	53,544	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes

Workforce Region 22 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-9151	Photographic Process Workers and Processing Machine Operators	24,676	36,949	36,444	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	27,432	41,564	49,421	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	34,544	59,909	69,094	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	21,787	33,662	38,911	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	26,144	37,895	43,530	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	23,709	40,570	50,126	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	29,576	38,935	41,831	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	20,988	28,308	33,074	No	No	No	High school diploma or equivalent	No	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	21,825	31,639	38,955	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	28,645	41,215	50,039	No	No	No	High school diploma or equivalent	Yes	No	No
51-9198	Helpers--Production Workers	20,152	30,949	36,854	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	19,507	30,708	36,282	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	28,927	57,863	76,790	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	33,351	57,807	72,441	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	82,852	222,170	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	76,879	200,602	172,929	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	75,910	133,942	165,995	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	42,282	54,959	63,084	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	42,483	62,997	74,128	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	23,938	31,867	34,586	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,006	26,588	31,480	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	28,033	41,786	50,679	No	No	No	Postsecondary nondegree award	No	No	No
53-3033	Light Truck Drivers	20,504	36,959	45,066	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	26,330	40,177	46,631	No	No	No	High school diploma or equivalent	No	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19,535	27,095	30,485	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	19,109	32,075	45,719	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	58,480	73,431	80,890	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	59,015	74,152	84,406	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	37,960	62,019	74,141	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	59,015	74,152	84,406	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	24,451	46,074	64,934	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-4099	Rail Transportation Workers, All Other	31,637	60,446	78,902	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	26,517	53,875	74,288	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	28,883	72,722	96,450	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	58,456	72,455	80,799	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5031	Ship Engineers	51,187	66,852	76,451	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	28,055	43,617	53,555	No	No	No	High school diploma or equivalent	Yes	No	Yes
53-6021	Parking Attendants	19,169	24,706	27,739	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	21,859	30,883	35,341	No	No	No	No formal educational credential	Yes	Yes	Yes
53-6041	Traffic Technicians	38,356	53,674	64,077	Yes	Yes	Yes	Associate's degree	Yes	No	Yes
53-6051	Transportation Inspectors	92,607	127,311	149,289	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	25,152	34,957	39,387	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	25,862	39,359	47,429	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	21,852	37,098	44,502	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7021	Crane and Tower Operators	40,896	61,228	71,309	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	37,283	52,616	61,090	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	29,464	45,386	47,702	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	21,588	38,663	46,815	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	19,390	27,349	29,811	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	20,941	32,128	37,341	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	18,605	32,883	40,914	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,904	24,819	25,909	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	20,379	29,480	34,177	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	38,364	71,214	85,618	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	22,169	44,480	52,987	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	27,389	43,453	53,391	No	No	No	High school diploma or equivalent	Yes	No	No
53-7081	Refuse and Recyclable Material Collectors	33,519	43,259	49,744	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	21,852	37,098	44,502	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7199	Material Moving Workers, All Other	26,671	48,772	59,091	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 23 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
11-1011	Chief Executives	70,653	200,541	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	42,913	112,334	139,963	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-1031	Legislators	18,290	78,532	109,002	No	Yes	Yes	Bachelor's degree	No	No	Yes
11-2011	Advertising and Promotions Managers	48,776	102,890	124,121	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2021	Marketing Managers	58,716	129,517	164,022	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	58,206	147,969	192,064	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	66,259	120,557	142,613	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	44,225	88,336	107,088	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	86,334	155,284	184,893	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	68,738	159,489	206,381	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	54,806	114,659	147,027	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	63,531	128,560	168,683	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	51,669	107,295	137,769	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	73,141	98,110	107,719	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	63,415	125,609	146,529	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	54,074	114,227	140,312	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	40,363	86,776	91,996	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9021	Construction Managers	59,461	114,403	132,308	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	27,515	45,768	53,075	No	No	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	56,679	97,146	116,156	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	48,653	102,851	121,594	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	45,496	77,715	80,480	Yes	Yes	Yes	Master's degree	Yes	Yes	No
11-9041	Architectural and Engineering Managers	80,217	129,719	157,196	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	40,022	62,375	77,174	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	43,315	81,326	101,949	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	38,065	80,182	96,648	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	53,401	109,871	130,476	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	47,887	93,282	116,616	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	78,356	96,528	106,488	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	29,739	68,500	84,132	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	38,759	72,508	88,254	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9161	Emergency Management Directors	55,733	98,183	119,078	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	46,009	89,473	109,480	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	52,293	107,620	136,400	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	54,703	80,553	93,668	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1020	Buyers and Purchasing Agents	33,521	62,137	76,495	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	37,730	65,622	80,333	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	53,555	75,058	88,010	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	35,499	76,464	98,060	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	36,290	67,936	82,328	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1071	Human Resources Specialists	34,320	64,344	79,865	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	40,363	86,776	91,996	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	42,048	58,066	64,293	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	34,620	59,397	66,676	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	32,890	92,685	101,669	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
13-1121	Meeting, Convention, and Event Planners	30,815	55,958	67,348	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	41,958	65,747	76,467	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	34,593	63,307	77,366	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	32,756	65,611	79,994	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	31,704	65,241	78,816	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	34,838	79,290	97,185	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	43,382	80,909	94,033	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	28,058	59,944	78,090	No	Yes	Yes	Bachelor's degree	No	No	No
13-2031	Budget Analysts	51,054	77,964	92,615	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	43,591	75,341	91,271	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2052	Personal Financial Advisors	19,013	105,429	126,385	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	35,651	70,627	85,223	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2061	Financial Examiners	53,886	90,407	105,707	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-2071	Credit Counselors	35,231	49,818	57,060	Yes	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	29,497	80,289	107,145	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
13-2081	Tax Examiners and Collectors, and Revenue Agents	32,735	64,433	85,369	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2082	Tax Preparers	18,771	47,063	67,734	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	43,415	85,144	96,970	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-1211	Computer Systems Analysts	55,787	96,445	115,842	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	46,527	92,045	127,932	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	84,819	97,059	102,406	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	33,591	65,914	82,534	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	28,799	52,301	63,041	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	60,857	113,705	139,946	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	52,739	82,452	96,563	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1245	Database Administrators and Architects	49,997	96,653	125,942	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	47,564	90,267	121,166	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	57,096	95,133	116,591	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	42,350	75,462	94,051	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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15-1299	Computer Occupations, All Other	37,917	91,740	111,553	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
15-2011	Actuaries	62,272	109,965	131,792	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	76,914	115,301	130,393	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	44,676	73,291	85,476	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-2041	Statisticians	49,096	83,498	101,186	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2098	Data Scientists and Mathematical Science Occupations, All Other	49,489	109,780	134,894	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1011	Architects, Except Landscape and Naval	46,572	80,663	103,719	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1012	Landscape Architects	41,233	75,394	96,416	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-1021	Cartographers and Photogrammetrists	58,470	88,742	108,145	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1022	Surveyors	46,343	93,936	138,668	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2011	Aerospace Engineers	55,155	91,768	113,131	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	47,756	88,097	108,934	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	64,164	87,938	105,199	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	54,647	106,684	134,903	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	35,734	77,214	98,125	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2061	Computer Hardware Engineers	68,957	110,413	132,009	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	55,923	97,115	114,441	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	63,461	109,137	124,233	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2081	Environmental Engineers	44,619	81,864	103,514	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	46,192	86,814	101,982	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2112	Industrial Engineers	44,343	80,995	100,339	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-2121	Marine Engineers and Naval Architects	52,933	87,704	104,850	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	55,211	94,206	114,543	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	42,318	86,181	108,446	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	80,278	129,017	157,924	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	94,005	118,566	133,921	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	80,802	175,507	215,782	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	43,074	76,580	94,020	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-3011	Architectural and Civil Drafters	35,040	57,774	70,630	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3012	Electrical and Electronics Drafters	25,406	48,200	55,151	No	No	No	Associate's degree	No	No	No
17-3013	Mechanical Drafters	35,088	59,527	74,058	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	36,386	54,239	61,402	Yes	Yes	No	Associate's degree	Yes	Yes	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	40,316	62,954	74,645	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	29,389	49,127	56,553	No	No	No	Associate's degree	No	No	No
17-3023	Electrical and Electronic Engineering Technologists and Technicians	27,965	56,803	72,980	No	Yes	Yes	Associate's degree	No	Yes	Yes
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	34,001	46,477	55,355	Yes	No	No	Associate's degree	Yes	No	No
17-3025	Environmental Engineering Technologists and Technicians	26,820	48,399	65,058	No	No	Yes	Associate's degree	No	No	Yes
17-3026	Industrial Engineering Technologists and Technicians	37,667	59,803	70,854	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3027	Mechanical Engineering Technologists and Technicians	33,055	46,869	58,571	Yes	No	No	Associate's degree	Yes	No	No
17-3031	Surveying and Mapping Technicians	25,614	42,928	54,757	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	37,385	56,893	65,671	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	45,408	70,755	84,701	Yes	Yes	Yes	Master's degree	Yes	No	No
19-1012	Food Scientists and Technologists	22,006	45,267	53,742	No	No	No	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	32,405	50,618	57,312	Yes	No	No	Bachelor's degree	No	No	No
19-1021	Biochemists and Biophysicists	69,516	118,535	171,982	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	Yes
19-1022	Microbiologists	42,966	60,714	70,555	Yes	Yes	Yes	Master's degree	Yes	No	No
19-1023	Zoologists and Wildlife Biologists	42,025	77,171	99,419	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-1029	Biological Scientists, All Other	48,455	83,958	98,059	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1031	Conservation Scientists	52,130	76,216	92,746	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1032	Foresters	50,716	82,866	105,985	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-1041	Epidemiologists	35,940	60,315	75,102	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	51,475	90,160	102,787	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
19-1099	Life Scientists, All Other	55,062	113,914	142,865	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	93,558	159,639	181,262	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	93,558	159,639	181,262	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	84,333	104,896	118,659	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	44,323	78,622	103,662	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-2032	Materials Scientists	54,243	112,702	146,556	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	36,891	61,473	74,064	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	48,373	103,481	140,390	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	51,229	104,566	122,880	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	33,259	104,576	137,193	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
19-3011	Economists	53,238	69,055	64,367	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3022	Survey Researchers	32,227	78,935	104,074	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3031	Clinical, Counseling, and School Psychologists	41,900	78,637	92,962	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	32,227	78,935	104,074	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	42,068	71,667	100,410	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	57,923	82,735	100,361	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3051	Urban and Regional Planners	47,355	81,773	102,333	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3091	Anthropologists and Archeologists	35,940	60,315	75,102	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers	69,903	91,799	106,258	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3093	Historians	27,269	63,984	93,962	No	Yes	Yes	Master's degree	No	No	Yes
19-3094	Political Scientists	71,317	103,778	116,614	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	73,278	102,146	119,857	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	27,087	35,587	38,951	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	33,873	51,882	61,651	Yes	No	No	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	33,022	54,245	65,964	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4042	Environmental Science and Protection Technicians, Including Health	28,569	50,967	58,262	No	No	No	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	28,743	50,847	61,571	No	No	No	Associate's degree	No	No	No
19-4051	Nuclear Technicians	76,914	105,166	119,199	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	29,442	58,742	68,112	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	34,094	51,338	61,385	Yes	No	No	Associate's degree	Yes	No	No
19-4092	Forensic Science Technicians	42,282	64,176	76,878	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	29,241	47,199	59,144	No	No	No	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	35,569	67,639	81,676	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	38,151	71,218	93,847	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
21-1012	Educational, Guidance, and Career Counselors and Advisors	33,698	57,276	71,361	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	33,085	46,091	49,736	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	20,762	35,094	42,951	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	28,910	48,913	56,227	No	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	24,054	37,907	43,347	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	33,410	54,619	64,292	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	35,040	52,206	61,514	Yes	No	No	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	28,026	43,219	50,297	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	32,882	48,683	50,730	Yes	No	No	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	37,715	74,638	82,401	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	32,635	41,101	46,349	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	21,855	35,796	40,925	No	No	No	Some college, no degree	No	No	No
21-1094	Community Health Workers	23,392	41,053	50,701	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	33,182	46,005	52,346	Yes	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	33,383	70,002	92,821	Yes	Yes	Yes	Master's degree	No	No	Yes
21-2021	Directors, Religious Activities and Education	23,213	39,088	44,658	No	No	No	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	25,617	61,109	80,561	No	Yes	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	60,536	173,306	191,069	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-1012	Judicial Law Clerks	33,112	56,078	63,438	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	56,359	97,647	113,375	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1022	Arbitrators, Mediators, and Conciliators	59,234	94,547	106,779	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	134,975	180,633	181,360	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	32,832	52,962	63,468	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
23-2093	Title Examiners, Abstractors, and Searchers	31,594	54,461	67,950	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	29,131	47,014	52,226	No	No	No	Associate's degree	No	No	No
25-1011	Business Teachers, Postsecondary	39,088	74,095	108,996	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	56,948	103,933	124,259	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	46,610	90,849	119,898	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	28,962	99,040	123,590	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	64,965	109,553	129,739	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	60,544	114,198	138,999	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1042	Biological Science Teachers, Postsecondary	51,072	105,685	126,419	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	75,397	123,568	145,333	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	52,146	103,921	128,744	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	55,073	89,946	105,207	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	25,587	82,167	96,452	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	57,689	98,416	120,906	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	63,602	101,661	114,875	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	47,407	87,813	106,662	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	70,139	101,296	113,246	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1064	Geography Teachers, Postsecondary	58,809	96,982	108,462	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1065	Political Science Teachers, Postsecondary	57,869	102,873	115,901	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	45,867	89,113	106,324	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	47,003	88,731	108,191	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	62,988	101,954	122,565	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1071	Health Specialties Teachers, Postsecondary	52,378	92,534	105,227	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	73,442	166,554	135,908	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
25-1081	Education Teachers, Postsecondary	44,122	75,366	112,391	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	45,398	64,859	76,512	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	52,745	108,017	120,577	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	44,512	140,419	181,893	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	40,276	81,643	96,102	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	37,992	95,446	119,426	Yes	Yes	Yes	Master's degree	No	Yes	Yes
25-1122	Communications Teachers, Postsecondary	40,023	71,167	89,060	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	39,950	91,583	119,173	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	69,316	99,745	120,350	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1125	History Teachers, Postsecondary	31,845	90,959	104,598	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	70,035	105,072	126,285	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	46,358	74,741	88,698	Yes	Yes	Yes	Master's degree	Yes	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	36,442	73,409	89,026	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	35,572	65,246	78,190	Yes	Yes	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	18,944	40,160	52,534	No	No	No	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	19,702	29,872	33,188	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	41,669	63,656	76,224	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2021	Elementary School Teachers, Except Special Education	33,290	59,815	75,483	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	42,162	70,080	84,487	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-2023	Career/Technical Education Teachers, Middle School	32,729	64,476	82,353	Yes	Yes	Yes	Bachelor's degree	No	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	54,005	69,866	80,048	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	47,658	71,236	81,053	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	58,648	82,617	99,124	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	54,044	68,991	79,703	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2057	Special Education Teachers, Middle School	45,219	69,160	81,637	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	52,963	77,179	92,321	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	33,095	42,249	39,888	Yes	No	No	Bachelor's degree	No	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	27,623	48,029	62,139	No	No	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	19,263	36,606	43,814	No	No	No	Some college, no degree	No	No	No
25-3031	Substitute Teachers, Short-Term	19,032	27,467	30,920	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	22,668	47,275	55,189	No	No	No	Bachelor's degree	No	No	No
25-4011	Archivists	31,523	47,272	54,839	Yes	No	No	Master's degree	No	No	No
25-4012	Curators	22,646	51,605	61,250	No	No	No	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	30,636	49,419	60,482	Yes	No	No	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	31,240	64,280	80,472	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	25,423	33,475	38,814	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	21,794	38,982	47,220	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	35,465	65,114	82,336	Yes	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	18,984	35,589	45,218	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	20,414	30,732	33,931	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	23,608	56,112	76,539	No	Yes	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	58,026	104,383	113,598	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	20,029	35,798	42,984	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	18,870	55,513	71,781	No	Yes	Yes	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	42,424	57,552	64,346	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1019	Artists and Related Workers, All Other	84,008	98,499	106,241	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	43,601	62,786	73,676	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1022	Fashion Designers	53,809	61,391	66,079	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
27-1023	Floral Designers	20,752	33,650	37,614	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	32,908	55,237	69,266	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	23,263	58,933	69,829	No	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	20,684	30,994	35,189	No	No	No	Some college, no degree	No	No	No
27-1027	Set and Exhibit Designers	48,811	56,864	61,303	Yes	Yes	No	Bachelor's degree	Yes	No	No
27-1029	Designers, All Other	32,930	48,772	67,706	Yes	No	Yes	Bachelor's degree	No	No	No
27-2011	Actors	27,685	40,768	45,302	No	No	No	Some college, no degree	Yes	No	No
27-2012	Producers and Directors	39,769	79,502	94,669	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	20,444	77,537	91,210	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	21,994	50,097	61,999	No	No	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	19,335	29,220	31,495	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	21,988	60,422	88,725	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	20,171	42,514	64,563	No	No	Yes	Some college, no degree	No	Yes	Yes
27-2041	Music Directors and Composers	21,607	54,126	63,562	No	Yes	Yes	Bachelor's degree	No	No	No
27-2042	Musicians and Singers	18,574	89,856	122,221	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	20,695	28,427	33,079	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	19,796	56,559	65,295	No	Yes	Yes	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	33,422	81,605	92,885	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	33,279	56,082	69,527	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	30,237	73,910	84,979	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	40,823	62,521	76,954	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	28,050	58,019	67,693	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	20,941	39,415	59,154	No	No	No	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	32,629	50,120	59,424	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
27-3099	Media and Communication Workers, All Other	27,076	49,591	60,057	No	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	29,947	50,291	61,790	Yes	No	Yes	Associate's degree	No	No	No
27-4012	Broadcast Technicians	22,210	48,989	56,560	No	No	No	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	25,303	57,600	65,722	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	19,796	63,166	92,448	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-4031	Camera Operators, Television, Video, and Film	32,669	55,474	65,576	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	33,705	55,577	66,681	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	27,007	88,742	115,213	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	68,654	101,945	123,178	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1021	Dentists, General	118,718	250,745	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	69,718	256,626	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1023	Orthodontists	97,806	197,577	227,151	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	87,660	234,653	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	62,543	191,451	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1031	Dietitians and Nutritionists	46,809	62,936	72,104	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1041	Optometrists	47,472	105,970	129,228	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	100,794	119,371	132,463	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1071	Physician Assistants	43,447	95,405	123,493	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	47,862	94,423	121,715	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1122	Occupational Therapists	45,608	78,809	97,658	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	28,614	80,221	102,692	No	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	59,965	85,463	102,980	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	35,826	62,805	82,693	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	48,606	61,078	67,325	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	57,635	89,846	106,078	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	38,342	48,321	49,732	Yes	No	No	Master's degree	No	No	No
29-1129	Therapists, All Other	30,095	52,865	62,868	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	86,469	114,723	143,590	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1141	Registered Nurses	52,816	72,556	84,433	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	138,883	233,484	198,942	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	23,916	73,747	108,137	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	42,805	82,038	108,956	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1181	Audiologists	64,908	86,540	105,187	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
29-1211	Anesthesiologists	103,419	303,443	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	112,855	189,572	209,069	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1216	General Internal Medicine Physicians	43,059	122,407	191,550	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1218	Obstetricians and Gynecologists	105,585	268,381	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	66,476	146,642	186,290	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1223	Psychiatrists	44,123	129,253	210,453	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	41,960	180,710	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	56,799	267,371	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1292	Dental Hygienists	29,867	53,330	71,517	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	24,538	54,754	61,812	No	Yes	Yes	Master's degree	No	No	No
29-2010	Clinical Laboratory Technologists and Technicians	29,099	54,731	68,784	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	26,733	48,360	66,890	No	No	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	29,789	62,833	77,555	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2033	Nuclear Medicine Technologists	58,881	78,648	91,258	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	40,224	59,318	69,642	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	51,834	68,748	78,812	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	20,957	31,104	37,005	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	21,198	33,696	35,479	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	28,127	36,036	39,289	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2053	Psychiatric Technicians	26,160	35,895	39,692	No	No	No	Postsecondary nondegree award	No	No	No
29-2055	Surgical Technologists	28,157	46,351	55,568	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	20,817	35,765	40,141	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	28,639	44,672	50,286	No	No	No	Postsecondary nondegree award	Yes	Yes	No
29-2061	Licensed Practical and Licensed Vocational Nurses	38,558	49,071	55,077	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	21,231	34,767	47,625	No	No	No	Postsecondary nondegree award	No	No	No
29-2091	Orthotists and Prosthetists	37,727	69,762	94,164	Yes	Yes	Yes	Master's degree	No	No	Yes
29-2092	Hearing Aid Specialists	31,779	69,183	79,918	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	26,568	48,360	60,679	No	No	No	Postsecondary nondegree award	No	Yes	Yes
29-9091	Athletic Trainers	33,664	54,955	66,453	Yes	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	54,537	71,169	81,928	Yes	Yes	Yes	Master's degree	Yes	No	No
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	28,376	56,016	71,395	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	19,332	25,211	28,941	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	21,056	28,321	31,989	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	21,394	28,409	31,615	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	27,924	32,784	34,946	No	No	No	High school diploma or equivalent	Yes	No	No
31-2011	Occupational Therapy Assistants	56,796	72,925	84,855	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	21,284	30,960	35,219	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	28,283	55,846	68,564	No	Yes	Yes	Associate's degree	No	Yes	Yes
31-2022	Physical Therapist Aides	18,469	26,135	31,059	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	19,846	38,540	48,180	No	No	No	Postsecondary nondegree award	No	No	No
31-9091	Dental Assistants	23,993	37,061	43,049	No	No	No	Postsecondary nondegree award	No	No	No
31-9092	Medical Assistants	27,494	36,801	41,083	No	No	No	Postsecondary nondegree award	No	No	No
31-9093	Medical Equipment Preparers	25,327	35,452	39,882	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	21,134	28,161	25,626	No	No	No	Postsecondary nondegree award	No	No	No
31-9095	Pharmacy Aides	25,975	31,833	36,291	No	No	No	High school diploma or equivalent	Yes	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	26,621	37,874	45,383	No	No	No	High school diploma or equivalent	Yes	No	No
31-9097	Phlebotomists	26,310	33,855	38,161	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	19,882	41,551	52,999	No	No	No	High school diploma or equivalent	No	No	Yes
33-1011	First-Line Supervisors of Correctional Officers	35,062	60,666	88,289	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	75,561	109,440	128,683	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	69,083	97,369	110,873	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	27,445	51,484	63,909	No	No	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	43,495	68,563	81,284	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	45,951	60,807	64,712	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	32,380	38,277	41,815	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	35,907	51,043	59,136	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	33,300	51,920	64,243	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	48,154	96,099	137,663	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	23,163	31,080	33,570	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	32,402	52,515	55,644	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
33-3051	Police and Sheriff's Patrol Officers	48,011	70,807	82,767	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	49,154	70,810	84,068	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	29,628	42,340	47,865	Yes	No	No	Postsecondary nondegree award	Yes	No	No

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33-9021	Private Detectives and Investigators	34,350	63,154	78,045	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	25,831	35,557	40,172	No	No	No	High school diploma or equivalent	Yes	No	No
33-9032	Security Guards	20,467	30,873	33,671	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	21,833	28,484	31,360	No	No	No	No formal educational credential	Yes	Yes	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	23,027	36,579	45,883	No	No	No	No formal educational credential	Yes	Yes	Yes
33-9093	Transportation Security Screeners	38,141	45,073	47,600	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	21,541	38,250	45,582	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	29,169	53,121	66,869	No	Yes	Yes	Associate's degree	No	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	22,139	38,261	47,024	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,561	21,609	23,413	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	20,106	29,349	33,980	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2013	Cooks, Private Household	22,988	32,937	38,637	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	21,379	31,707	36,413	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	21,225	27,618	31,080	No	No	No	No formal educational credential	Yes	No	No
35-2019	Cooks, All Other	27,074	36,371	41,159	No	No	No	No formal educational credential	Yes	Yes	Yes
35-2021	Food Preparation Workers	20,212	28,383	32,247	No	No	No	No formal educational credential	Yes	No	Yes
35-3011	Bartenders	18,571	23,769	22,756	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,712	22,974	25,070	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,650	25,702	29,395	No	No	No	No formal educational credential	No	No	No
35-3041	Food Servers, Nonrestaurant	18,783	26,061	29,755	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,748	22,667	24,349	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	19,237	23,634	25,557	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	19,205	26,144	29,576	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	21,162	27,339	31,090	No	No	No	No formal educational credential	Yes	No	No
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	25,810	39,320	45,374	No	No	No	High school diploma or equivalent	Yes	No	No
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	27,008	49,053	61,969	No	No	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	19,115	25,585	27,899	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	19,560	24,677	27,157	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	23,567	39,861	57,596	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	25,254	38,847	47,439	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	19,363	28,717	32,666	No	No	No	No formal educational credential	No	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	26,771	35,229	39,329	No	No	No	High school diploma or equivalent	Yes	No	No
37-3013	Tree Trimmers and Pruners	27,295	39,844	52,153	No	No	No	High school diploma or equivalent	Yes	No	No
37-3019	Grounds Maintenance Workers, All Other	22,344	39,505	60,619	No	No	No	No formal educational credential	Yes	Yes	Yes
39-1013	First-Line Supervisors of Gambling Services Workers	33,048	49,490	59,264	Yes	No	No	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	27,785	45,985	55,585	No	No	No	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	21,905	37,021	42,224	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	20,201	31,087	32,503	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	18,456	22,983	24,468	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	21,514	30,087	33,974	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	22,026	30,831	32,644	No	No	No	High school diploma or equivalent	No	No	No
39-3021	Motion Picture Projectionists	20,826	32,675	35,809	No	No	No	No formal educational credential	Yes	Yes	Yes
39-3031	Ushers, Lobby Attendants, and Ticket Takers	19,807	26,341	29,357	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,941	23,742	25,642	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	28,601	61,484	80,114	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	22,059	28,524	31,319	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	20,695	28,427	33,079	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	33,638	43,327	49,540	Yes	No	No	Associate's degree	Yes	No	No
39-4021	Funeral Attendants	20,664	25,625	25,988	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	34,586	59,944	66,955	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
39-5011	Barbers	23,927	34,739	41,335	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,861	26,438	29,652	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	39,762	77,177	89,047	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	20,310	25,207	25,591	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	19,634	27,715	31,025	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	22,583	38,317	47,133	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	18,813	26,257	30,844	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	21,700	29,478	32,061	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	24,861	31,265	33,274	No	No	No	High school diploma or equivalent	No	No	No
39-9011	Childcare Workers	18,845	25,864	29,134	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	18,724	39,045	48,457	No	No	No	Postsecondary nondegree award	No	No	No
39-9032	Recreation Workers	19,331	28,582	32,739	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	26,939	32,604	33,594	No	No	No	Some college, no degree	Yes	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	18,775	26,158	29,268	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	25,357	48,423	60,637	No	No	No	Some college, no degree	No	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	44,127	89,180	106,444	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,080	23,880	25,603	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	21,380	30,405	36,573	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2021	Counter and Rental Clerks	20,187	28,767	32,551	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	18,892	33,843	38,980	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,226	29,142	32,163	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	21,623	55,819	70,170	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	25,812	63,768	58,218	No	Yes	No	Postsecondary nondegree award	No	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	34,191	82,307	94,753	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	23,713	42,834	50,920	No	No	No	Some college, no degree	No	Yes	Yes

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May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	26,567	67,900	80,611	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	28,614	84,018	119,689	No	Yes	Yes	Bachelor's degree	No	No	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	25,721	59,571	72,559	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	20,625	55,642	77,928	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
41-9012	Models	22,606	42,853	53,894	No	No	No	High school diploma or equivalent	No	No	Yes
41-9021	Real Estate Brokers	29,202	72,972	75,964	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-9022	Real Estate Sales Agents	21,608	72,092	80,377	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	56,715	107,651	134,445	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	20,977	35,349	40,897	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	20,531	30,108	32,707	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,968	42,575	51,465	No	No	No	Some college, no degree	No	Yes	Yes
43-1011	First-Line Supervisors of Office and Administrative Support Workers	35,102	62,858	73,825	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	21,287	29,383	32,204	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	26,334	31,549	31,513	No	No	No	High school diploma or equivalent	Yes	No	No
43-2099	Communications Equipment Operators, All Other	32,249	44,633	52,769	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
43-3011	Bill and Account Collectors	28,950	40,053	43,544	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	27,966	38,798	43,938	No	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	26,529	43,273	51,146	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3041	Gambling Cage Workers	19,105	26,773	30,631	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	28,940	43,132	50,114	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	33,485	45,263	51,589	Yes	No	No	Associate's degree	Yes	No	No
43-3071	Tellers	25,895	34,435	39,021	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	37,746	52,436	61,175	Yes	Yes	No	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	36,359	57,469	65,083	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	33,520	44,251	50,516	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-4031	Court, Municipal, and License Clerks	33,533	45,540	50,404	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-4041	Credit Authorizers, Checkers, and Clerks	43,969	58,833	63,077	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4051	Customer Service Representatives	21,329	34,984	40,085	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	27,937	35,071	36,238	No	No	No	High school diploma or equivalent	Yes	No	No
43-4071	File Clerks	25,726	40,912	48,652	No	No	No	High school diploma or equivalent	Yes	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	21,159	28,130	31,155	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	19,368	44,167	54,658	No	No	No	High school diploma or equivalent	No	Yes	Yes
43-4121	Library Assistants, Clerical	20,969	28,357	32,154	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	18,481	38,519	52,026	No	No	No	High school diploma or equivalent	No	No	No
43-4141	New Accounts Clerks	36,883	53,098	51,532	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	No
43-4151	Order Clerks	23,165	33,425	38,577	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	26,288	39,481	47,169	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	21,289	29,646	34,073	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	25,874	42,112	54,808	No	No	No	High school diploma or equivalent	Yes	No	Yes
43-4199	Information and Record Clerks, All Other	31,385	45,016	52,101	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-5011	Cargo and Freight Agents	26,752	44,934	50,919	No	No	No	High school diploma or equivalent	Yes	Yes	No
43-5021	Couriers and Messengers	19,751	29,884	35,165	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	33,998	52,919	63,345	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5032	Dispatchers, Except Police, Fire, and Ambulance	21,320	36,714	42,319	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	27,406	39,395	45,333	No	No	No	High school diploma or equivalent	Yes	No	No
43-5051	Postal Service Clerks	37,759	51,222	62,994	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,047	53,158	65,031	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	35,384	51,064	62,732	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	22,078	41,340	52,785	No	No	No	Some college, no degree	No	No	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	21,167	33,126	38,448	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	23,817	35,195	40,266	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	35,970	59,412	71,828	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	30,160	51,948	66,692	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	25,972	34,437	38,884	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	20,647	36,671	44,567	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	22,453	33,532	39,730	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	27,001	40,250	48,342	No	No	No	High school diploma or equivalent	Yes	No	No
43-9031	Desktop Publishers	31,419	57,792	63,154	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
43-9041	Insurance Claims and Policy Processing Clerks	19,255	37,172	45,074	No	No	No	High school diploma or equivalent	No	No	No
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	24,893	33,367	37,603	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	19,393	35,670	43,917	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	18,658	26,900	31,769	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	29,060	46,227	61,287	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	35,820	60,402	74,010	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	33,546	51,912	68,096	Yes	No	Yes	Some college, no degree	Yes	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	39,441	83,271	139,245	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
45-2011	Agricultural Inspectors	23,440	43,529	67,633	No	No	Yes	Bachelor's degree	No	No	No
45-2021	Animal Breeders	23,884	43,432	49,929	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	18,323	20,577	20,146	No	No	No	No formal educational credential	No	No	No
45-2091	Agricultural Equipment Operators	25,314	36,639	41,881	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	19,232	23,828	24,720	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	22,912	35,208	45,124	No	No	No	No formal educational credential	Yes	Yes	Yes

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45-2099	Agricultural Workers, All Other	21,470	31,670	31,998	No	No	No	No formal educational credential	Yes	Yes	Yes
45-3031	Fishing and Hunting Workers	22,912	35,208	45,124	No	No	No	No formal educational credential	Yes	Yes	Yes
45-4011	Forest and Conservation Workers	39,577	45,190	49,099	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
45-4021	Fallers	29,945	41,018	44,982	Yes	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	20,520	39,588	50,410	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	25,216	36,399	42,383	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	21,547	51,753	65,186	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	39,047	67,135	82,829	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	38,299	56,678	66,507	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	42,369	51,611	58,878	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2022	Stonemasons	35,940	43,191	47,592	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	27,942	43,312	51,512	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	20,444	35,612	45,943	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	26,232	43,683	56,897	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	28,569	39,096	44,655	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	32,130	37,717	40,027	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	19,152	38,563	47,764	No	No	No	No formal educational credential	No	Yes	Yes
47-2053	Terrazzo Workers and Finishers	37,152	48,914	55,008	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2061	Construction Laborers	21,870	34,358	39,291	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	26,392	40,529	47,963	No	No	No	High school diploma or equivalent	Yes	No	No
47-2072	Pile Driver Operators	41,180	58,772	63,722	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	33,077	48,342	58,162	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2081	Drywall and Ceiling Tile Installers	21,551	32,398	38,013	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	20,651	44,906	55,029	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2111	Electricians	27,976	48,466	61,986	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	22,895	37,784	46,438	No	No	No	High school diploma or equivalent	No	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	27,821	37,059	43,057	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	31,954	43,563	50,388	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	25,678	36,917	41,246	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	36,060	52,288	66,933	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	33,222	40,812	45,939	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	27,863	46,972	56,437	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	24,965	41,258	49,919	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	34,542	49,656	57,104	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2181	Roofers	28,251	43,102	51,710	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	25,355	40,089	48,049	No	No	No	High school diploma or equivalent	No	No	No
47-2221	Structural Iron and Steel Workers	30,871	45,276	55,252	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-2231	Solar Photovoltaic Installers	27,859	39,435	44,109	No	No	No	High school diploma or equivalent	Yes	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	24,255	33,308	39,009	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3012	Helpers--Carpenters	23,467	34,380	39,653	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	24,369	35,474	44,842	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	22,606	30,829	35,918	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	25,346	32,811	37,925	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	26,974	37,349	42,755	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	22,434	34,636	42,019	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	19,005	57,849	77,451	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	55,172	82,777	99,504	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	27,888	38,201	44,115	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	27,072	41,744	51,831	No	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	20,541	36,927	40,571	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	37,403	52,583	60,293	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	28,164	41,794	45,124	No	No	No	High school diploma or equivalent	Yes	No	No
47-4090	Miscellaneous Construction and Related Workers	28,120	34,626	37,900	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	25,882	37,458	43,803	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	37,534	49,438	55,958	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	27,236	59,201	76,521	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	35,165	49,258	56,273	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5041	Continuous Mining Machine Operators	39,642	63,089	75,265	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining	39,642	63,089	75,265	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-5044	Loading and Moving Machine Operators, Underground Mining	39,642	63,089	75,265	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	33,494	40,953	43,464	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	37,534	49,438	55,958	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	25,882	37,458	43,803	No	No	No	High school diploma or equivalent	Yes	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	28,896	50,082	58,229	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	38,954	62,019	79,535	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	34,471	65,141	80,917	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	24,165	38,431	44,990	No	No	No	Postsecondary nondegree award	No	No	No
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	34,236	63,067	80,453	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	39,709	62,354	75,299	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	29,069	52,781	66,073	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	27,151	40,913	52,589	No	No	No	High school diploma or equivalent	Yes	No	Yes
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	34,005	50,488	60,056	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

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49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	35,680	55,092	64,894	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	46,369	78,411	99,575	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	24,342	40,825	50,166	No	No	No	Postsecondary nondegree award	No	No	No
49-2097	Audiovisual Equipment Installers and Repairers	28,366	39,143	45,855	No	No	No	Postsecondary nondegree award	Yes	No	No
49-2098	Security and Fire Alarm Systems Installers	33,684	47,435	56,603	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	30,289	68,975	93,910	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-3021	Automotive Body and Related Repairers	29,029	50,771	57,386	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	18,896	32,914	39,838	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	19,621	45,130	57,605	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	31,193	53,582	66,237	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	29,027	46,424	56,285	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	34,174	52,282	63,589	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	39,948	61,265	69,488	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	28,309	53,142	69,663	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	28,023	40,276	47,407	No	No	No	High school diploma or equivalent	Yes	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	29,383	43,428	51,782	No	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	24,408	32,860	37,382	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	29,890	52,452	66,245	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	25,965	31,897	34,918	No	No	No	High school diploma or equivalent	Yes	No	No
49-9011	Mechanical Door Repairers	20,698	30,626	34,767	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	39,343	53,324	62,388	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	30,883	45,496	52,299	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	35,148	44,786	49,951	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9041	Industrial Machinery Mechanics	27,456	46,485	57,530	No	No	No	Postsecondary nondegree award	No	Yes	Yes
49-9043	Maintenance Workers, Machinery	25,303	46,081	57,045	No	No	No	High school diploma or equivalent	No	Yes	Yes
49-9044	Millwrights	35,121	54,800	67,577	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	26,155	37,076	42,056	No	No	No	High school diploma or equivalent	Yes	No	No
49-9051	Electrical Power-Line Installers and Repairers	34,793	58,452	73,058	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	29,666	47,054	49,911	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No
49-9061	Camera and Photographic Equipment Repairers	21,241	45,365	60,053	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	23,733	60,023	77,882	No	Yes	Yes	Associate's degree	No	Yes	Yes
49-9063	Musical Instrument Repairers and Tuners	25,937	38,572	43,967	No	No	No	High school diploma or equivalent	Yes	No	No
49-9064	Watch and Clock Repairers	30,009	60,683	71,143	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	41,914	62,128	71,203	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	23,404	38,014	42,542	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	49,187	80,540	97,849	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	20,020	29,403	32,568	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	37,065	54,997	55,859	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	19,345	36,008	48,371	No	No	No	High school diploma or equivalent	No	No	No
49-9095	Manufactured Building and Mobile Home Installers	23,327	32,107	35,088	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	34,544	51,571	61,065	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
49-9097	Signal and Track Switch Repairers	43,366	72,426	87,191	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	20,834	30,106	36,057	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	25,344	45,678	57,979	No	No	No	High school diploma or equivalent	No	Yes	Yes
51-1011	First-Line Supervisors of Production and Operating Workers	34,052	59,780	73,196	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	25,568	46,796	57,859	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-2021	Coil Winders, Tapers, and Finishers	20,498	39,151	54,625	No	No	No	High school diploma or equivalent	No	No	Yes
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	20,339	30,484	36,524	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	27,968	33,133	34,761	No	No	No	High school diploma or equivalent	Yes	No	No
51-2041	Structural Metal Fabricators and Fitters	22,733	31,376	35,970	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	23,534	32,528	37,597	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters	29,955	38,517	44,404	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-2090	Miscellaneous Assemblers and Fabricators	19,530	29,505	34,015	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	19,745	30,943	37,367	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	18,962	32,214	41,464	No	No	No	No formal educational credential	No	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	26,882	33,157	37,607	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	24,484	31,266	34,324	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	28,001	37,021	41,564	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	20,097	26,876	29,971	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	21,274	30,698	35,645	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	21,864	27,930	30,821	No	No	No	No formal educational credential	Yes	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	22,578	32,606	38,363	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	28,907	39,042	43,202	No	No	No	High school diploma or equivalent	Yes	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	29,104	40,046	46,839	No	No	No	High school diploma or equivalent	Yes	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	19,922	29,274	33,009	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	36,617	60,228	73,540	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,197	29,621	35,844	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	25,216	41,641	48,957	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	36,945	48,663	55,226	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes

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51-4041	Machinists	29,460	46,255	55,375	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	33,548	46,369	53,926	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4052	Pourers and Casters, Metal	28,689	45,288	54,287	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-4061	Model Makers, Metal and Plastic	36,617	60,228	73,540	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	32,686	58,262	68,789	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	23,480	41,237	52,332	No	No	No	High school diploma or equivalent	No	No	Yes
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	18,909	30,356	36,627	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	20,176	32,957	38,137	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	31,355	61,024	67,958	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	28,506	44,395	50,907	No	No	No	Postsecondary nondegree award	Yes	Yes	No
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	27,045	36,893	43,125	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	19,647	37,427	45,808	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	31,386	50,082	62,303	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	27,608	35,724	40,404	No	No	No	High school diploma or equivalent	Yes	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	28,754	39,325	43,574	No	No	No	High school diploma or equivalent	Yes	No	No
51-4199	Metal Workers and Plastic Workers, All Other	18,936	35,124	43,572	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	21,847	42,252	51,164	No	No	No	Postsecondary nondegree award	No	No	Yes
51-5112	Printing Press Operators	19,130	31,579	39,604	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	25,949	36,247	44,784	No	No	No	High school diploma or equivalent	Yes	No	No
51-6011	Laundry and Dry-Cleaning Workers	18,964	23,344	25,321	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	19,293	24,037	26,861	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	19,143	25,302	28,646	No	No	No	No formal educational credential	No	No	No
51-6041	Shoe and Leather Workers and Repairers	21,634	33,854	40,745	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	20,826	32,609	39,347	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	23,152	31,168	37,130	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6052	Tailors, Dressmakers, and Custom Sewers	18,712	24,132	24,114	No	No	No	No formal educational credential	No	No	No
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	28,175	33,974	38,637	No	No	No	High school diploma or equivalent	Yes	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	26,046	33,911	39,208	No	No	No	High school diploma or equivalent	Yes	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	20,826	28,885	32,893	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	19,919	34,937	38,360	No	No	No	High school diploma or equivalent	No	No	No
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	41,630	75,265	89,670	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	18,707	25,092	26,742	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	27,122	41,306	49,768	No	No	No	High school diploma or equivalent	Yes	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	18,426	21,650	20,008	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	25,362	38,541	48,044	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	26,497	36,658	39,710	No	No	No	High school diploma or equivalent	Yes	No	No
51-7031	Model Makers, Wood	32,686	58,262	68,789	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood	36,617	60,228	73,540	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	23,887	32,994	36,811	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	24,333	38,163	46,280	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	24,943	44,600	62,084	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-8011	Nuclear Power Reactor Operators	76,914	105,166	119,199	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	55,521	88,873	111,413	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	45,339	69,197	82,124	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	52,982	64,134	71,327	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	30,029	51,924	63,688	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	34,804	56,755	69,084	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-8092	Gas Plant Operators	36,148	52,376	62,914	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	33,199	56,023	65,207	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	42,277	61,531	66,046	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	33,860	39,188	41,324	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	25,799	38,413	46,455	No	No	No	High school diploma or equivalent	Yes	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	26,791	34,122	38,702	No	No	No	High school diploma or equivalent	Yes	No	No
51-9022	Grinding and Polishing Workers, Hand	22,071	30,742	34,922	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	23,224	39,362	45,188	No	No	No	High school diploma or equivalent	No	No	No
51-9031	Cutters and Trimmers, Hand	22,933	38,714	46,140	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	21,384	28,619	31,940	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	25,328	37,275	39,682	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	22,814	30,534	35,400	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	22,361	43,594	55,059	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	20,792	40,275	55,344	No	No	No	High school diploma or equivalent	No	No	Yes
51-9081	Dental Laboratory Technicians	27,516	48,409	59,601	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
51-9082	Medical Appliance Technicians	22,548	43,560	56,384	No	No	No	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	21,099	31,518	37,628	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	18,874	25,978	29,918	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	18,317	29,983	32,380	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	24,749	41,029	51,727	No	No	No	High school diploma or equivalent	No	No	No
51-9141	Semiconductor Processing Technicians	31,004	45,670	53,544	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes

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51-9151	Photographic Process Workers and Processing Machine Operators	26,417	45,900	55,008	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
51-9161	Computer Numerically Controlled Tool Operators	19,861	38,887	46,866	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	42,338	56,733	65,470	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	20,721	30,041	36,232	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	26,144	37,895	43,530	No	No	No	High school diploma or equivalent	Yes	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	23,709	40,570	50,126	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	22,451	36,755	48,944	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	27,224	35,157	38,725	No	No	No	High school diploma or equivalent	Yes	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	21,605	39,521	55,743	No	No	No	High school diploma or equivalent	No	No	Yes
51-9197	Tire Builders	28,645	41,215	50,039	No	No	No	High school diploma or equivalent	Yes	No	No
51-9198	Helpers--Production Workers	19,800	28,425	31,614	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	18,936	26,377	28,133	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	46,403	71,840	81,067	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	31,193	59,304	74,049	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	140,654	245,484	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	31,364	99,533	153,348	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	81,334	140,819	164,148	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	30,218	47,981	59,726	Yes	No	No	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	33,636	63,602	73,464	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	22,060	27,526	30,485	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	18,866	25,996	31,417	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	26,650	39,824	46,769	No	No	No	Postsecondary nondegree award	No	No	No
53-3033	Light Truck Drivers	19,029	34,467	40,457	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	32,061	45,841	56,970	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19,979	28,881	31,870	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	22,707	33,529	39,673	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	58,480	73,431	80,890	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	59,015	74,152	84,406	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	37,960	62,019	74,141	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	59,015	74,152	84,406	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	24,451	46,074	64,934	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
53-4099	Rail Transportation Workers, All Other	31,637	60,446	78,902	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	26,035	44,939	53,249	No	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	19,440	55,287	75,114	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
53-5022	Motorboat Operators	18,832	43,681	51,734	No	No	No	Postsecondary nondegree award	No	Yes	Yes
53-5031	Ship Engineers	54,125	84,222	101,844	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	28,055	43,617	53,555	No	No	No	High school diploma or equivalent	Yes	No	Yes
53-6021	Parking Attendants	19,188	25,455	29,500	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	20,638	31,894	42,249	No	No	No	No formal educational credential	Yes	Yes	Yes
53-6041	Traffic Technicians	43,572	70,253	86,579	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-6051	Transportation Inspectors	38,060	72,547	95,087	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	18,688	22,339	23,042	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	22,980	33,238	39,329	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,179	29,987	36,034	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	33,282	60,365	78,822	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	37,283	52,616	61,090	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	29,464	45,386	47,702	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	24,068	33,966	37,994	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	19,845	28,068	30,950	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,291	36,469	40,910	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	18,626	24,027	23,817	No	No	No	No formal educational credential	No	No	No
53-7064	Packers and Packagers, Hand	19,544	25,219	27,028	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	19,595	27,618	31,297	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	38,364	71,214	85,618	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	20,025	41,286	50,874	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	27,389	43,453	53,391	No	No	No	High school diploma or equivalent	Yes	No	Yes
53-7081	Refuse and Recyclable Material Collectors	32,853	44,726	51,088	Yes	No	No	No formal educational credential	Yes	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	21,852	37,098	44,502	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7199	Material Moving Workers, All Other	24,834	46,533	59,201	No	No	No	No formal educational credential	Yes	Yes	Yes

Workforce Region 24 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
11-1011	Chief Executives	79,485	182,781	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
11-1021	General and Operations Managers	42,100	101,947	127,716	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-1031	Legislators	18,477	96,270	145,550	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
11-2011	Advertising and Promotions Managers	33,504	68,278	80,510	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-2021	Marketing Managers	50,360	118,926	149,815	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2022	Sales Managers	51,190	124,421	158,661	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-2030	Public Relations and Fundraising Managers	68,081	124,727	133,671	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3010	Administrative Services and Facilities Managers	44,768	110,293	121,010	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3021	Computer and Information Systems Managers	69,209	120,888	150,383	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3031	Financial Managers	56,231	110,816	132,087	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3051	Industrial Production Managers	46,349	96,725	120,467	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3061	Purchasing Managers	67,877	113,705	144,615	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3071	Transportation, Storage, and Distribution Managers	46,641	82,877	100,154	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3111	Compensation and Benefits Managers	56,257	111,548	155,484	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3121	Human Resources Managers	58,292	104,604	120,682	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-3131	Training and Development Managers	69,013	124,097	162,797	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9013	Farmers, Ranchers, and Other Agricultural Managers	36,328	78,102	82,800	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9021	Construction Managers	51,871	98,406	112,684	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9031	Education and Childcare Administrators, Preschool and Daycare	34,468	54,319	54,416	Yes	Yes	No	Bachelor's degree	No	No	No
11-9032	Education Administrators, Kindergarten through Secondary	72,136	101,083	117,900	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9033	Education Administrators, Postsecondary	47,987	91,288	104,964	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
11-9039	Education Administrators, All Other	39,964	79,279	96,789	Yes	Yes	Yes	Master's degree	No	Yes	Yes
11-9041	Architectural and Engineering Managers	82,696	165,255	194,689	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9051	Food Service Managers	36,361	70,161	84,377	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9071	Gambling Managers	45,283	86,516	95,146	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
11-9081	Lodging Managers	41,749	59,207	63,109	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9111	Medical and Health Services Managers	59,390	116,387	131,964	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9121	Natural Sciences Managers	52,685	79,957	93,268	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9131	Postmasters and Mail Superintendents	67,527	86,641	94,817	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
11-9141	Property, Real Estate, and Community Association Managers	31,910	64,110	79,293	Yes	Yes	Yes	Bachelor's degree	No	No	No
11-9151	Social and Community Service Managers	41,608	73,937	97,923	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
11-9161	Emergency Management Directors	65,840	87,813	101,803	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
11-9171	Funeral Home Managers	46,845	66,111	74,521	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
11-9198	Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other	46,323	89,440	110,799	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	33,537	84,098	101,132	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1020	Buyers and Purchasing Agents	35,168	59,403	67,901	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1031	Claims Adjusters, Examiners, and Investigators	36,080	67,111	81,145	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
13-1032	Insurance Appraisers, Auto Damage	48,202	67,555	79,213	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
13-1041	Compliance Officers	33,186	64,393	85,281	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1051	Cost Estimators	42,448	71,279	89,219	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-1071	Human Resources Specialists	34,921	58,808	67,627	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1074	Farm Labor Contractors	36,328	78,102	82,800	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
13-1075	Labor Relations Specialists	21,731	65,953	85,685	No	Yes	Yes	Bachelor's degree	No	No	No
13-1081	Logisticians	28,879	52,798	55,717	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1111	Management Analysts	39,844	80,497	98,000	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-1121	Meeting, Convention, and Event Planners	25,875	50,607	62,683	No	Yes	Yes	Bachelor's degree	No	No	No
13-1131	Fundraisers	34,887	57,828	65,851	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1141	Compensation, Benefits, and Job Analysis Specialists	34,988	64,576	78,570	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1151	Training and Development Specialists	34,833	64,479	79,493	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-1161	Market Research Analysts and Marketing Specialists	27,264	54,168	65,821	No	Yes	Yes	Bachelor's degree	No	No	No
13-1198	Project Management Specialists and Business Operations Specialists, All Other	27,452	73,386	88,368	No	Yes	Yes	Bachelor's degree	No	No	No
13-2011	Accountants and Auditors	34,828	68,876	82,406	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2020	Property Appraisers and Assessors	47,928	73,364	82,920	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2031	Budget Analysts	45,262	73,775	89,913	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2041	Credit Analysts	54,802	78,032	89,472	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
13-2052	Personal Financial Advisors	37,012	93,118	99,636	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2053	Insurance Underwriters	34,240	78,740	102,623	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
13-2061	Financial Examiners	55,110	82,455	92,962	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	No
13-2071	Credit Counselors	27,129	35,766	38,974	No	No	No	Bachelor's degree	No	No	No
13-2072	Loan Officers	32,795	77,890	85,564	Yes	Yes	Yes	Bachelor's degree	No	No	No
13-2081	Tax Examiners and Collectors, and Revenue Agents	28,328	47,513	52,903	No	No	No	Bachelor's degree	No	No	No
13-2082	Tax Preparers	18,462	39,939	55,164	No	No	No	Postsecondary nondegree award	No	No	Yes
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	34,467	80,602	88,754	Yes	Yes	Yes	Bachelor's degree	No	Yes	No
15-1211	Computer Systems Analysts	49,164	81,771	101,007	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1212	Information Security Analysts	50,537	94,389	116,596	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1221	Computer and Information Research Scientists	71,821	117,920	137,755	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-1231	Computer Network Support Specialists	36,546	62,452	75,668	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
15-1232	Computer User Support Specialists	29,607	49,141	57,825	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
15-1241	Computer Network Architects	55,417	115,795	157,176	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1244	Network and Computer Systems Administrators	45,927	73,623	86,825	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
15-1245	Database Administrators and Architects	46,297	86,563	116,253	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1251	Computer Programmers	44,564	83,913	115,389	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	50,639	106,067	121,253	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-1257	Web Developers and Digital Interface Designers	19,373	56,156	74,973	No	Yes	Yes	Associate's degree	No	Yes	Yes

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15-1299	Computer Occupations, All Other	31,857	55,475	65,247	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2011	Actuaries	48,595	114,774	141,539	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
15-2021	Mathematicians	69,226	103,776	117,359	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
15-2031	Operations Research Analysts	34,759	64,362	78,203	Yes	Yes	Yes	Bachelor's degree	No	No	No
15-2041	Statisticians	26,686	56,962	82,141	No	Yes	Yes	Master's degree	No	No	No
15-2098	Data Scientists and Mathematical Science Occupations, All Other	53,111	74,999	87,897	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1011	Architects, Except Landscape and Naval	55,084	94,169	104,196	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-1012	Landscape Architects	42,154	58,583	67,513	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1021	Cartographers and Photogrammetrists	46,666	67,321	78,854	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
17-1022	Surveyors	37,555	62,117	81,135	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2011	Aerospace Engineers	65,619	107,668	128,339	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2021	Agricultural Engineers	42,983	79,291	98,045	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2031	Bioengineers and Biomedical Engineers	61,615	86,394	100,610	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2041	Chemical Engineers	49,185	96,020	121,419	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2051	Civil Engineers	53,603	95,424	114,990	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2061	Computer Hardware Engineers	62,503	100,856	122,235	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2071	Electrical Engineers	55,241	105,577	141,026	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2072	Electronics Engineers, Except Computer	35,099	71,035	95,680	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
17-2081	Environmental Engineers	38,860	73,070	85,493	Yes	Yes	Yes	Bachelor's degree	No	No	No
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	54,565	78,931	93,983	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2112	Industrial Engineers	53,731	94,575	109,916	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2121	Marine Engineers and Naval Architects	47,642	78,938	94,369	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2131	Materials Engineers	50,089	94,526	115,207	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2141	Mechanical Engineers	29,791	76,605	104,295	Yes	Yes	Yes	Bachelor's degree	No	No	Yes
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	72,254	116,121	142,139	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2161	Nuclear Engineers	84,609	106,715	120,534	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2171	Petroleum Engineers	72,726	157,963	194,213	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-2199	Engineers, All Other	45,111	87,561	106,003	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
17-3011	Architectural and Civil Drafters	35,760	53,686	62,600	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3012	Electrical and Electronics Drafters	22,990	51,357	63,742	No	Yes	Yes	Associate's degree	No	No	Yes
17-3013	Mechanical Drafters	37,431	53,436	63,140	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3019	Drafters, All Other	27,870	39,422	49,018	No	No	No	Associate's degree	No	No	No
17-3021	Aerospace Engineering and Operations Technologists and Technicians	40,024	67,487	87,047	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3022	Civil Engineering Technologists and Technicians	31,662	57,849	69,720	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3023	Electrical and Electronic Engineering Technologists and Technicians	23,126	42,904	61,367	No	No	Yes	Associate's degree	No	No	No
17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	32,623	52,232	60,616	Yes	Yes	Yes	Associate's degree	No	No	No
17-3025	Environmental Engineering Technologists and Technicians	32,354	54,883	68,699	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
17-3026	Industrial Engineering Technologists and Technicians	34,219	51,928	60,033	Yes	Yes	Yes	Associate's degree	No	No	No
17-3027	Mechanical Engineering Technologists and Technicians	41,429	70,143	89,718	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
17-3031	Surveying and Mapping Technicians	26,544	42,149	51,887	No	No	No	Associate's degree	No	No	No
17-3098	Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other	37,542	56,931	65,789	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-1011	Animal Scientists	40,869	63,683	76,234	Yes	Yes	Yes	Master's degree	No	No	No
19-1012	Food Scientists and Technologists	31,551	57,176	71,959	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1013	Soil and Plant Scientists	32,685	51,549	62,367	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-1021	Biochemists and Biophysicists	43,346	78,525	89,425	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1022	Microbiologists	35,591	61,737	75,370	Yes	Yes	Yes	Master's degree	No	No	No
19-1023	Zoologists and Wildlife Biologists	30,482	42,719	45,065	Yes	No	No	Master's degree	No	No	No
19-1029	Biological Scientists, All Other	43,251	71,016	87,383	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
19-1031	Conservation Scientists	20,082	60,638	79,523	No	Yes	Yes	Bachelor's degree	No	No	No
19-1032	Foresters	45,646	74,583	95,391	Yes	Yes	Yes	Bachelor's degree	Yes	No	Yes
19-1041	Epidemiologists	32,348	54,286	67,595	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-1042	Medical Scientists, Except Epidemiologists	56,942	121,921	162,155	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-1099	Life Scientists, All Other	49,558	102,527	128,584	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2011	Astronomers	84,206	143,682	163,143	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2012	Physicists	84,206	143,682	163,143	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
19-2021	Atmospheric and Space Scientists	58,188	97,298	114,362	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2031	Chemists	30,667	58,805	77,451	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2032	Materials Scientists	48,821	101,436	131,907	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2041	Environmental Scientists and Specialists, Including Health	35,701	48,986	56,775	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-2042	Geoscientists, Except Hydrologists and Geographers	50,974	89,003	113,074	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2043	Hydrologists	46,108	94,114	110,597	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-2099	Physical Scientists, All Other	46,669	115,168	134,816	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-3011	Economists	47,012	90,496	132,964	Yes	Yes	Yes	Master's degree	No	Yes	Yes
19-3022	Survey Researchers	29,006	71,045	93,671	Yes	Yes	Yes	Master's degree	No	No	Yes
19-3031	Clinical, Counseling, and School Psychologists	37,397	71,487	88,927	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3032	Industrial-Organizational Psychologists	29,006	71,045	93,671	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3039	Psychologists, All Other	64,016	105,367	118,613	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
19-3041	Sociologists	52,134	74,465	90,329	Yes	Yes	Yes	Master's degree	Yes	No	No
19-3051	Urban and Regional Planners	36,059	66,785	85,490	Yes	Yes	Yes	Master's degree	No	No	No
19-3091	Anthropologists and Archeologists	32,348	54,286	67,595	Yes	Yes	Yes	Master's degree	No	No	No
19-3092	Geographers										
19-3093	Historians	24,543	57,589	84,570	No	Yes	Yes	Master's degree	No	No	No
19-3094	Political Scientists	61,579	97,927	112,887	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
19-3099	Social Scientists and Related Workers, All Other	51,535	78,641	94,195	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
19-4010	Agricultural and Food Science Technicians	18,960	35,857	43,425	No	No	No	Associate's degree	No	No	No
19-4021	Biological Technicians	28,593	41,388	49,487	No	No	No	Bachelor's degree	No	No	No

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19-4031	Chemical Technicians	34,547	48,395	57,455	Yes	Yes	Yes	Associate's degree	No	No	No
19-4042	Environmental Science and Protection Technicians, Including Health	27,319	43,322	56,218	No	No	Yes	Associate's degree	No	No	No
19-4045	Geological and Hydrologic Technicians	25,870	45,764	55,416	No	No	Yes	Associate's degree	No	No	No
19-4051	Nuclear Technicians	69,226	94,654	107,285	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
19-4061	Social Science Research Assistants	26,499	52,871	61,304	No	Yes	Yes	Bachelor's degree	No	No	No
19-4071	Forest and Conservation Technicians	36,072	45,023	51,054	Yes	No	No	Associate's degree	Yes	No	No
19-4092	Forensic Science Technicians	33,204	50,932	60,585	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-4099	Life, Physical, and Social Science Technicians, All Other	19,131	39,503	52,359	No	No	No	Bachelor's degree	No	No	No
19-5011	Occupational Health and Safety Specialists	34,457	64,213	76,994	Yes	Yes	Yes	Bachelor's degree	No	No	No
19-5012	Occupational Health and Safety Technicians	25,926	30,635	30,529	No	No	No	Postsecondary nondegree award	No	No	No
21-1012	Educational, Guidance, and Career Counselors and Advisors	39,876	63,208	77,731	Yes	Yes	Yes	Master's degree	No	No	No
21-1013	Marriage and Family Therapists	32,873	43,013	50,143	Yes	No	No	Master's degree	No	No	No
21-1015	Rehabilitation Counselors	23,156	35,026	39,938	No	No	No	Master's degree	No	No	No
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	31,955	46,731	54,109	Yes	No	No	Bachelor's degree	No	No	No
21-1019	Counselors, All Other	18,932	34,756	39,731	No	No	No	Master's degree	No	No	No
21-1021	Child, Family, and School Social Workers	26,919	47,029	57,960	No	No	Yes	Bachelor's degree	No	No	No
21-1022	Healthcare Social Workers	30,063	58,220	66,743	Yes	Yes	Yes	Master's degree	No	No	No
21-1023	Mental Health and Substance Abuse Social Workers	27,068	42,258	52,056	No	No	No	Bachelor's degree	No	No	No
21-1029	Social Workers, All Other	34,313	51,868	65,590	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1091	Health Education Specialists	33,898	64,419	84,829	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-1092	Probation Officers and Correctional Treatment Specialists	32,619	39,766	41,824	Yes	No	No	Bachelor's degree	No	No	No
21-1093	Social and Human Service Assistants	25,212	39,110	46,172	No	No	No	Some college, no degree	Yes	No	No
21-1094	Community Health Workers	25,294	38,673	50,989	No	No	No	Bachelor's degree	No	No	No
21-1099	Community and Social Service Specialists, All Other	30,184	40,459	42,408	Yes	No	No	Bachelor's degree	No	No	No
21-2011	Clergy	24,322	57,286	67,815	No	Yes	Yes	Master's degree	No	No	No
21-2021	Directors, Religious Activities and Education	33,681	51,798	62,854	Yes	Yes	Yes	Bachelor's degree	No	No	No
21-2099	Religious Workers, All Other	19,295	42,757	56,684	No	No	Yes	Bachelor's degree	No	No	No
23-1011	Lawyers	52,558	124,236	142,571	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1012	Judicial Law Clerks	29,802	50,472	57,097	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	85,596	145,836	181,488	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-1022	Arbitrators, Mediators, and Conciliators	25,104	70,062	99,107	No	Yes	Yes	Bachelor's degree	No	No	Yes
23-1023	Judges, Magistrate Judges, and Magistrates	143,574	184,571	168,372	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
23-2011	Paralegals and Legal Assistants	32,730	50,853	60,037	Yes	Yes	Yes	Associate's degree	No	No	No
23-2093	Title Examiners, Abstractors, and Searchers	33,077	49,615	58,310	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
23-2099	Legal Support Workers, All Other	30,141	58,415	60,858	Yes	Yes	Yes	Associate's degree	No	Yes	No
25-1011	Business Teachers, Postsecondary	18,403	94,219	135,413	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1021	Computer Science Teachers, Postsecondary	18,289	73,298	121,041	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1022	Mathematical Science Teachers, Postsecondary	18,091	35,387	51,254	No	No	No	Doctoral or professional degree	No	No	No
25-1031	Architecture Teachers, Postsecondary	26,067	89,140	111,236	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1032	Engineering Teachers, Postsecondary	53,234	108,808	133,283	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1041	Agricultural Sciences Teachers, Postsecondary	54,493	102,783	125,105	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1042	Biological Science Teachers, Postsecondary	18,107	40,530	60,049	No	No	Yes	Doctoral or professional degree	No	No	No
25-1043	Forestry and Conservation Science Teachers, Postsecondary	67,860	111,216	130,806	Yes	Yes	Yes	Doctoral or professional degree	Yes	No	No
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	46,934	93,534	115,875	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1052	Chemistry Teachers, Postsecondary	51,465	86,555	102,232	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1053	Environmental Science Teachers, Postsecondary	46,324	70,733	83,252	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1054	Physics Teachers, Postsecondary	47,995	93,121	117,664	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1061	Anthropology and Archeology Teachers, Postsecondary	57,245	91,499	103,392	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	42,668	79,036	96,001	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1063	Economics Teachers, Postsecondary	58,483	107,304	126,196	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1064	Geography Teachers, Postsecondary	51,622	85,926	101,210	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1065	Political Science Teachers, Postsecondary	59,011	76,351	84,707	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1066	Psychology Teachers, Postsecondary	18,118	43,238	64,470	No	No	Yes	Doctoral or professional degree	No	No	No
25-1067	Sociology Teachers, Postsecondary	42,304	79,861	97,377	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1069	Social Sciences Teachers, Postsecondary, All Other	43,395	82,702	109,722	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1071	Health Specialties Teachers, Postsecondary	56,488	114,656	122,323	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
25-1072	Nursing Instructors and Teachers, Postsecondary	18,443	79,815	106,447	No	Yes	Yes	Master's degree	No	Yes	Yes
25-1081	Education Teachers, Postsecondary	18,854	78,307	111,492	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1082	Library Science Teachers, Postsecondary	43,140	69,796	82,260	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	18,223	56,685	78,864	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1112	Law Teachers, Postsecondary	55,240	149,530	198,184	Yes	Yes	Yes	Doctoral or professional degree	No	Yes	Yes
25-1113	Social Work Teachers, Postsecondary	36,250	73,482	86,496	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1121	Art, Drama, and Music Teachers, Postsecondary	18,200	41,237	55,563	No	No	Yes	Master's degree	No	No	No
25-1122	Communications Teachers, Postsecondary	18,279	42,783	60,777	No	No	Yes	Doctoral or professional degree	No	No	No
25-1123	English Language and Literature Teachers, Postsecondary	18,138	39,172	53,291	No	No	No	Doctoral or professional degree	No	No	No
25-1124	Foreign Language and Literature Teachers, Postsecondary	46,521	84,540	108,956	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1125	History Teachers, Postsecondary	28,662	81,867	94,143	No	Yes	Yes	Doctoral or professional degree	No	No	No
25-1126	Philosophy and Religion Teachers, Postsecondary	18,086	35,803	53,966	No	No	No	Doctoral or professional degree	No	No	No
25-1192	Family and Consumer Sciences Teachers, Postsecondary	41,725	67,270	79,832	Yes	Yes	Yes	Master's degree	No	No	No
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	32,800	66,071	80,127	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
25-1194	Career/Technical Education Teachers, Postsecondary	18,571	46,372	60,293	No	No	Yes	Master's degree	No	No	No
25-1199	Postsecondary Teachers, All Other	20,977	46,661	61,665	No	No	Yes	Doctoral or professional degree	No	No	No
25-2011	Preschool Teachers, Except Special Education	20,533	31,963	34,023	No	No	No	Associate's degree	No	No	No
25-2012	Kindergarten Teachers, Except Special Education	47,989	64,674	75,478	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2021	Elementary School Teachers, Except Special Education	42,543	64,654	76,857	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2022	Middle School Teachers, Except Special and Career/Technical Education	45,815	65,983	76,977	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2023	Career/Technical Education Teachers, Middle School	54,481	70,218	79,496	Yes	Yes	Yes	Bachelor's degree	Yes	No	No

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25-2031	Secondary School Teachers, Except Special and Career/Technical Education	46,204	68,537	80,130	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2032	Career/Technical Education Teachers, Secondary School	53,788	70,362	80,434	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2051	Special Education Teachers, Preschool	53,792	70,667	80,156	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2052	Special Education Teachers, Kindergarten and Elementary School	55,203	72,373	80,746	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2057	Special Education Teachers, Middle School	55,141	74,073	83,098	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2058	Special Education Teachers, Secondary School	47,655	72,139	83,638	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-2059	Special Education Teachers, All Other	48,714	66,953	77,038	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
25-3011	Adult Basic Education, Adult Secondary Education, and English as a Second Language Instructors	32,940	56,183	70,303	Yes	Yes	Yes	Bachelor's degree	No	No	No
25-3021	Self-Enrichment Teachers	20,751	44,313	56,155	No	No	Yes	Some college, no degree	No	Yes	Yes
25-3031	Substitute Teachers, Short-Term	25,060	30,153	31,373	No	No	No	Bachelor's degree	No	No	No
25-3097	Tutors and Teachers and Instructors, All Other	19,255	40,963	55,690	No	No	Yes	Bachelor's degree	No	No	No
25-4011	Archivists	26,863	42,806	49,863	No	No	No	Master's degree	No	No	No
25-4012	Curators	34,625	52,292	60,861	Yes	Yes	Yes	Master's degree	No	No	No
25-4013	Museum Technicians and Conservators	26,798	47,883	69,354	No	Yes	Yes	Bachelor's degree	No	No	No
25-4022	Librarians and Media Collections Specialists	36,952	68,127	81,012	Yes	Yes	Yes	Master's degree	No	No	No
25-4031	Library Technicians	22,337	40,445	49,712	No	No	No	Associate's degree	No	No	No
25-9021	Farm and Home Management Educators	18,997	41,384	55,077	No	No	No	Master's degree	No	No	No
25-9031	Instructional Coordinators	18,950	58,143	81,737	No	Yes	Yes	Master's degree	No	No	No
25-9044	Teaching Assistants, Postsecondary	18,308	33,089	44,444	No	No	No	Bachelor's degree	No	No	No
25-9045	Teaching Assistants, Except Postsecondary	24,327	31,720	33,969	No	No	No	Some college, no degree	No	No	No
25-9099	Educational Instruction and Library Workers, All Other	20,892	44,492	69,572	No	No	Yes	Bachelor's degree	No	No	No
27-1011	Art Directors	45,793	95,853	109,967	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1012	Craft Artists	18,027	32,220	38,687	No	No	No	Some college, no degree	No	No	No
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	25,248	29,361	30,456	No	No	No	Bachelor's degree	No	No	No
27-1014	Special Effects Artists and Animators	55,888	79,591	98,386	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
27-1019	Artists and Related Workers, All Other	29,861	84,235	102,979	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
27-1021	Commercial and Industrial Designers	42,034	84,376	111,938	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-1022	Fashion Designers	31,836	61,501	71,123	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1023	Floral Designers	24,305	33,437	38,782	No	No	No	High school diploma or equivalent	No	No	No
27-1024	Graphic Designers	27,668	48,767	59,304	No	Yes	Yes	Bachelor's degree	No	No	No
27-1025	Interior Designers	35,771	55,379	63,366	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-1026	Merchandise Displayers and Window Trimmers	22,739	47,175	55,643	No	No	Yes	Some college, no degree	No	Yes	Yes
27-1027	Set and Exhibit Designers	22,224	48,369	60,066	No	Yes	Yes	Bachelor's degree	No	No	No
27-1029	Designers, All Other	31,551	57,707	66,189	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2011	Actors	21,058	43,486	48,372	No	No	No	Some college, no degree	No	Yes	No
27-2012	Producers and Directors	29,656	55,913	65,179	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-2021	Athletes and Sports Competitors	22,341	95,936	96,670	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2022	Coaches and Scouts	19,322	46,973	57,333	No	No	Yes	Bachelor's degree	No	No	No
27-2023	Umpires, Referees, and Other Sports Officials	18,420	38,658	46,138	No	No	No	Some college, no degree	No	No	No
27-2031	Dancers	19,790	54,382	79,856	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
27-2032	Choreographers	18,154	38,265	58,110	No	No	Yes	Some college, no degree	No	No	Yes
27-2041	Music Directors and Composers	25,045	80,094	100,797	No	Yes	Yes	Bachelor's degree	No	Yes	Yes
27-2042	Musicians and Singers	22,381	70,574	87,610	No	Yes	Yes	Some college, no degree	No	Yes	Yes
27-2090	Miscellaneous Entertainers and Performers, Sports and Related Workers	18,626	25,585	29,772	No	No	No	Some college, no degree	No	No	No
27-3011	Broadcast Announcers and Radio Disc Jockeys	19,498	38,106	53,154	No	No	No	Bachelor's degree	No	No	No
27-3023	News Analysts, Reporters, and Journalists	31,735	58,429	65,613	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3031	Public Relations Specialists	31,431	59,779	74,943	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3041	Editors	25,847	48,924	60,342	No	Yes	Yes	Bachelor's degree	No	No	No
27-3042	Technical Writers	32,798	66,711	79,654	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3043	Writers and Authors	27,421	71,807	73,332	No	Yes	Yes	Bachelor's degree	No	No	No
27-3091	Interpreters and Translators	35,122	56,436	55,573	Yes	Yes	Yes	Bachelor's degree	No	No	No
27-3092	Court Reporters and Simultaneous Captioners	34,681	66,208	88,364	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
27-3099	Media and Communication Workers, All Other	21,013	37,475	49,580	No	No	No	Associate's degree	No	No	No
27-4011	Audio and Video Technicians	21,568	44,645	56,633	No	No	Yes	Associate's degree	No	No	No
27-4012	Broadcast Technicians	21,683	45,931	56,075	No	No	Yes	Associate's degree	No	No	No
27-4014	Sound Engineering Technicians	23,207	55,544	63,801	No	Yes	Yes	Associate's degree	No	Yes	Yes
27-4021	Photographers	19,154	42,045	40,198	No	No	No	Some college, no degree	No	Yes	No
27-4031	Camera Operators, Television, Video, and Film	26,374	41,270	51,693	No	No	No	Bachelor's degree	No	No	No
27-4032	Film and Video Editors	24,492	41,690	56,755	No	No	Yes	Bachelor's degree	No	No	No
27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	24,307	79,871	103,697	No	Yes	Yes	Associate's degree	No	Yes	Yes
29-1011	Chiropractors	34,235	83,302	94,251	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1021	Dentists, General	54,341	163,764	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1022	Oral and Maxillofacial Surgeons	62,749	230,974	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1023	Orthodontists	88,029	177,828	204,445	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1024	Prosthodontists	78,898	211,198	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1029	Dentists, All Other Specialists	56,291	172,314	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1031	Dietitians and Nutritionists	28,083	64,974	78,655	No	Yes	Yes	Bachelor's degree	No	No	No
29-1041	Optometrists	51,650	82,275	82,161	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1051	Pharmacists	65,127	123,650	148,803	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1071	Physician Assistants	58,460	101,311	122,327	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1081	Podiatrists	30,428	112,469	158,301	Yes	Yes	Yes	Doctoral or professional degree	No	No	Yes
29-1122	Occupational Therapists	72,126	95,820	106,390	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1123	Physical Therapists	56,721	91,197	107,632	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1124	Radiation Therapists	56,734	83,390	96,758	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes

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29-1125	Recreational Therapists	24,884	57,549	54,196	No	Yes	No	Bachelor's degree	No	No	No
29-1126	Respiratory Therapists	51,922	60,439	64,471	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1127	Speech-Language Pathologists	65,437	91,824	108,302	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1128	Exercise Physiologists	34,923	53,225	65,354	Yes	Yes	Yes	Master's degree	No	No	No
29-1129	Therapists, All Other	24,512	62,157	90,484	No	Yes	Yes	Bachelor's degree	No	No	No
29-1131	Veterinarians	44,781	108,824	125,985	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1141	Registered Nurses	51,009	70,123	79,038	Yes	Yes	Yes	Bachelor's degree	Yes	No	No
29-1151	Nurse Anesthetists	137,426	161,546	178,079	Yes	Yes	Yes	Master's degree	Yes	Yes	Yes
29-1161	Nurse Midwives	21,526	66,376	97,328	No	Yes	Yes	Master's degree	No	No	Yes
29-1171	Nurse Practitioners	32,608	90,147	116,354	Yes	Yes	Yes	Master's degree	No	Yes	Yes
29-1181	Audiologists	60,285	93,915	120,170	Yes	Yes	Yes	Doctoral or professional degree	No	No	No
29-1211	Anesthesiologists	133,853	266,801	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1215	Family Medicine Physicians	107,667	223,328	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1216	General Internal Medicine Physicians	137,453	202,482	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1218	Obstetricians and Gynecologists	122,589	241,373	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1221	Pediatricians, General	100,832	178,444	210,843	Yes	Yes	Yes	Doctoral or professional degree	Yes	Yes	Yes
29-1223	Psychiatrists	45,106	165,468	*	Yes	Yes	Yes*	Doctoral or professional degree	No	Yes	Yes*
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	141,119	250,275	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1248	Surgeons, Except Ophthalmologists	84,125	263,768	*	Yes	Yes	Yes*	Doctoral or professional degree	Yes	Yes	Yes*
29-1292	Dental Hygienists	51,440	74,807	84,150	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-1298	Acupuncturists and Healthcare Diagnosing or Treating Practitioners, All Other	35,989	96,114	92,080	Yes	Yes	Yes	Master's degree	No	Yes	No
29-2010	Clinical Laboratory Technologists and Technicians	29,840	63,553	77,787	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
29-2031	Cardiovascular Technologists and Technicians	25,519	47,505	67,544	No	No	Yes	Associate's degree	No	No	Yes
29-2032	Diagnostic Medical Sonographers	55,792	76,000	86,802	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2033	Nuclear Medicine Technologists	64,555	77,167	84,116	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2034	Radiologic Technologists and Technicians	43,556	60,502	70,653	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2035	Magnetic Resonance Imaging Technologists	46,672	69,164	79,235	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
29-2040	Emergency Medical Technicians and Paramedics	27,110	41,246	49,654	No	No	No	Postsecondary nondegree award	No	No	No
29-2051	Dietetic Technicians	20,024	31,968	37,328	No	No	No	Associate's degree	No	No	No
29-2052	Pharmacy Technicians	25,856	34,200	38,513	No	No	No	Postsecondary nondegree award	No	No	No
29-2053	Psychiatric Technicians	27,350	38,191	45,073	No	No	No	Postsecondary nondegree award	Yes	No	No
29-2055	Surgical Technologists	37,362	53,774	61,115	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2056	Veterinary Technologists and Technicians	26,111	38,119	45,367	No	No	No	Associate's degree	No	No	No
29-2057	Ophthalmic Medical Technicians	24,733	37,118	43,007	No	No	No	Postsecondary nondegree award	No	No	No
29-2061	Licensed Practical and Licensed Vocational Nurses	30,875	44,282	50,244	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
29-2081	Opticians, Dispensing	26,838	50,571	62,185	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
29-2091	Orthotists and Prosthetists	47,426	73,804	84,404	Yes	Yes	Yes	Master's degree	No	No	No
29-2092	Hearing Aid Specialists	41,328	69,534	79,192	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	27,154	41,636	48,562	No	No	No	Postsecondary nondegree award	Yes	No	No
29-9091	Athletic Trainers	25,374	53,019	64,569	No	Yes	Yes	Bachelor's degree	No	No	No
29-9092	Genetic Counselors	58,473	79,321	91,430	Yes	Yes	Yes	Master's degree	Yes	Yes	No
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	33,051	57,964	64,383	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
31-1120	Home Health and Personal Care Aides	20,966	26,713	29,687	No	No	No	High school diploma or equivalent	No	No	No
31-1131	Nursing Assistants	23,464	31,157	35,993	No	No	No	Postsecondary nondegree award	No	No	No
31-1132	Orderlies	20,897	27,846	30,598	No	No	No	High school diploma or equivalent	No	No	No
31-1133	Psychiatric Aides	25,133	29,507	31,453	No	No	No	High school diploma or equivalent	No	No	No
31-2011	Occupational Therapy Assistants	54,084	68,454	78,588	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
31-2012	Occupational Therapy Aides	19,157	27,865	31,699	No	No	No	Postsecondary nondegree award	No	No	No
31-2021	Physical Therapist Assistants	34,527	62,232	74,446	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
31-2022	Physical Therapist Aides	21,767	30,456	34,246	No	No	No	Postsecondary nondegree award	No	No	No
31-9011	Massage Therapists	20,204	47,412	52,515	No	No	No	Postsecondary nondegree award	No	Yes	Yes
31-9091	Dental Assistants	30,982	43,440	50,655	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
31-9092	Medical Assistants	27,882	36,505	40,880	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9093	Medical Equipment Preparers	25,768	36,951	40,253	No	No	No	High school diploma or equivalent	No	No	No
31-9094	Medical Transcriptionists	28,424	39,440	44,276	No	No	No	Postsecondary nondegree award	Yes	No	No
31-9095	Pharmacy Aides	22,535	29,917	33,098	No	No	No	High school diploma or equivalent	No	No	No
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	20,678	27,872	31,148	No	No	No	High school diploma or equivalent	No	No	No
31-9097	Phlebotomists	26,211	33,315	37,279	No	No	No	Postsecondary nondegree award	No	No	No
31-9099	Healthcare Support Workers, All Other	25,661	37,773	40,406	No	No	No	High school diploma or equivalent	No	No	No
33-1011	First-Line Supervisors of Correctional Officers	33,154	60,567	78,955	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-1012	First-Line Supervisors of Police and Detectives	42,499	85,719	101,704	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
33-1021	First-Line Supervisors of Firefighting and Prevention Workers	58,126	94,016	116,511	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	30,773	48,587	58,873	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-2011	Firefighters	37,419	60,752	72,191	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2021	Fire Inspectors and Investigators	50,492	71,289	84,303	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
33-2022	Forest Fire Inspectors and Prevention Specialists	29,143	34,451	37,636	Yes	No	No	Some college, no degree	Yes	No	No
33-3011	Bailiffs	32,318	45,941	53,225	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3012	Correctional Officers and Jailers	30,750	45,043	54,263	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
33-3021	Detectives and Criminal Investigators	41,308	69,214	76,596	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
33-3031	Fish and Game Wardens	20,848	27,974	30,215	No	No	No	Bachelor's degree	No	No	No
33-3041	Parking Enforcement Workers	27,148	42,147	49,431	No	No	No	High school diploma or equivalent	Yes	No	No
33-3051	Police and Sheriff's Patrol Officers	41,697	57,222	66,790	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-3052	Transit and Railroad Police	44,241	63,732	75,664	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
33-9011	Animal Control Workers	25,920	37,009	43,471	No	No	No	Postsecondary nondegree award	No	No	No

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33-9021	Private Detectives and Investigators	37,952	67,415	90,796	Yes	Yes	Yes	Bachelor's degree	No	No	No
33-9031	Gambling Surveillance Officers and Gambling Investigators	24,602	34,146	38,697	No	No	No	High school diploma or equivalent	No	No	No
33-9032	Security Guards	20,398	30,040	32,461	No	No	No	High school diploma or equivalent	No	No	No
33-9091	Crossing Guards and Flaggers	20,445	27,639	30,834	No	No	No	No formal educational credential	No	No	No
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	20,474	26,846	28,953	No	No	No	No formal educational credential	No	No	No
33-9093	Transportation Security Screeners	35,198	41,744	44,565	Yes	No	No	High school diploma or equivalent	Yes	No	No
33-9098	School Bus Monitors and Protective Service Workers, All Other	21,382	31,641	35,606	No	No	No	High school diploma or equivalent	No	No	No
35-1011	Chefs and Head Cooks	42,925	70,509	83,889	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	23,405	42,953	48,792	No	No	No	High school diploma or equivalent	No	No	No
35-2011	Cooks, Fast Food	18,527	22,315	24,717	No	No	No	No formal educational credential	No	No	No
35-2012	Cooks, Institution and Cafeteria	22,775	30,606	33,571	No	No	No	No formal educational credential	Yes	Yes	No
35-2013	Cooks, Private Household	20,690	29,645	34,775	No	No	No	Postsecondary nondegree award	No	No	No
35-2014	Cooks, Restaurant	23,294	32,294	37,524	No	No	No	High school diploma or equivalent	No	No	No
35-2015	Cooks, Short Order	20,824	28,927	32,783	No	No	No	No formal educational credential	No	No	No
35-2019	Cooks, All Other	19,329	29,991	36,328	No	No	No	No formal educational credential	No	Yes	Yes
35-2021	Food Preparation Workers	20,917	28,974	32,151	No	No	No	No formal educational credential	No	No	No
35-3011	Bartenders	18,803	29,009	33,656	No	No	No	No formal educational credential	No	No	No
35-3023	Fast Food and Counter Workers	18,850	23,483	25,980	No	No	No	No formal educational credential	No	No	No
35-3031	Waiters and Waitresses	18,840	29,148	34,281	No	No	No	No formal educational credential	No	No	Yes
35-3041	Food Servers, Nonrestaurant	19,204	25,026	27,129	No	No	No	No formal educational credential	No	No	No
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	18,817	22,965	23,942	No	No	No	No formal educational credential	No	No	No
35-9021	Dishwashers	20,295	25,023	27,553	No	No	No	No formal educational credential	No	No	No
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	19,488	25,387	28,455	No	No	No	No formal educational credential	No	No	No
35-9099	Food Preparation and Serving Related Workers, All Other	18,842	29,135	35,063	No	No	No	No formal educational credential	No	No	Yes
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	27,975	44,279	51,866	No	No	No	High school diploma or equivalent	Yes	No	Yes
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	35,158	54,555	63,367	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	22,109	30,741	35,411	No	No	No	High school diploma or equivalent	No	No	No
37-2012	Maids and Housekeeping Cleaners	20,334	25,896	29,214	No	No	No	No formal educational credential	No	No	No
37-2019	Building Cleaning Workers, All Other	21,211	35,876	51,839	No	No	No	No formal educational credential	Yes	Yes	Yes
37-2021	Pest Control Workers	22,581	35,267	40,652	No	No	No	High school diploma or equivalent	No	No	No
37-3011	Landscaping and Groundskeeping Workers	22,796	32,842	36,553	No	No	No	No formal educational credential	Yes	Yes	Yes
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	25,979	34,900	39,420	No	No	No	High school diploma or equivalent	No	No	No
37-3013	Tree Trimmers and Pruners	24,803	36,696	46,153	No	No	No	High school diploma or equivalent	No	No	No
37-3019	Grounds Maintenance Workers, All Other	26,729	30,623	32,138	No	No	No	No formal educational credential	Yes	Yes	No
39-1013	First-Line Supervisors of Gambling Services Workers	35,876	55,082	64,980	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-1098	First-Line Supervisors of Personal Service and Entertainment and Recreation Workers, Except Gambling Services	28,184	56,306	59,091	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
39-2011	Animal Trainers	21,028	31,784	34,311	No	No	No	High school diploma or equivalent	No	No	No
39-2021	Animal Caretakers	20,318	28,154	30,934	No	No	No	High school diploma or equivalent	No	No	No
39-3011	Gambling Dealers	18,115	24,661	27,826	No	No	No	High school diploma or equivalent	No	No	No
39-3012	Gambling and Sports Book Writers and Runners	19,363	27,079	30,578	No	No	No	High school diploma or equivalent	No	No	No
39-3019	Gambling Service Workers, All Other	27,495	53,151	77,966	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
39-3021	Motion Picture Projectionists	19,416	26,010	30,699	No	No	No	No formal educational credential	No	No	No
39-3031	Ushers, Lobby Attendants, and Ticket Takers	19,009	23,278	24,793	No	No	No	No formal educational credential	No	No	No
39-3091	Amusement and Recreation Attendants	18,924	25,150	28,055	No	No	No	No formal educational credential	No	No	No
39-3092	Costume Attendants	25,742	55,338	72,106	No	Yes	Yes	High school diploma or equivalent	No	Yes	Yes
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	19,059	26,547	31,040	No	No	No	High school diploma or equivalent	No	No	No
39-3099	Entertainment Attendants and Related Workers, All Other	18,626	25,585	29,772	No	No	No	High school diploma or equivalent	No	No	No
39-4011	Embalmers	33,321	55,947	57,009	Yes	Yes	Yes	Associate's degree	No	Yes	No
39-4021	Funeral Attendants	21,579	27,793	31,170	No	No	No	High school diploma or equivalent	No	No	No
39-4031	Morticians, Undertakers, and Funeral Arrangers	36,052	53,139	55,750	Yes	Yes	Yes	Associate's degree	Yes	No	No
39-5011	Barbers	21,536	31,266	37,203	No	No	No	Postsecondary nondegree award	No	No	No
39-5012	Hairdressers, Hairstylists, and Cosmetologists	19,335	33,870	40,791	No	No	No	Postsecondary nondegree award	No	No	No
39-5091	Makeup Artists, Theatrical and Performance	35,788	69,462	80,146	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
39-5092	Manicurists and Pedicurists	20,424	29,920	31,926	No	No	No	Postsecondary nondegree award	No	No	No
39-5093	Shampooers	19,481	27,944	32,565	No	No	No	High school diploma or equivalent	No	No	No
39-5094	Skincare Specialists	19,973	35,948	40,291	No	No	No	Postsecondary nondegree award	No	No	No
39-6011	Baggage Porters and Bellhops	18,930	30,614	30,891	No	No	No	High school diploma or equivalent	No	No	No
39-6012	Concierges	21,827	30,677	35,561	No	No	No	High school diploma or equivalent	No	No	No
39-7010	Tour and Travel Guides	27,702	48,825	60,599	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
39-9011	Childcare Workers	19,999	26,382	29,669	No	No	No	High school diploma or equivalent	No	No	No
39-9031	Exercise Trainers and Group Fitness Instructors	20,161	46,882	54,707	No	No	No	Postsecondary nondegree award	No	Yes	Yes
39-9032	Recreation Workers	20,385	29,964	34,524	No	No	No	Bachelor's degree	No	No	No
39-9041	Residential Advisors	19,918	30,340	36,128	No	No	No	Some college, no degree	No	No	No
39-9098	Crematory Operators and Personal Care and Service Workers, All Other	18,663	23,686	25,080	No	No	No	High school diploma or equivalent	No	No	No
41-1011	First-Line Supervisors of Retail Sales Workers	26,653	47,345	55,779	No	No	Yes	Some college, no degree	Yes	Yes	Yes
41-1012	First-Line Supervisors of Non-Retail Sales Workers	48,613	95,296	105,871	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-2011	Cashiers	19,401	25,074	28,169	No	No	No	No formal educational credential	No	No	No
41-2012	Gambling Change Persons and Booth Cashiers	18,665	28,131	34,775	No	No	No	No formal educational credential	No	No	Yes
41-2021	Counter and Rental Clerks	22,153	34,161	40,353	No	No	No	No formal educational credential	Yes	Yes	Yes
41-2022	Parts Salespersons	21,663	35,355	38,650	No	No	No	High school diploma or equivalent	No	No	No
41-2031	Retail Salespersons	19,587	29,725	32,018	No	No	No	High school diploma or equivalent	No	No	No
41-3011	Advertising Sales Agents	22,622	49,138	58,829	No	Yes	Yes	Some college, no degree	No	Yes	Yes
41-3021	Insurance Sales Agents	27,364	61,091	68,162	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
41-3031	Securities, Commodities, and Financial Services Sales Agents	35,477	69,028	70,453	Yes	Yes	Yes	Bachelor's degree	No	No	No
41-3041	Travel Agents	19,281	38,194	48,787	No	No	No	Some college, no degree	No	No	Yes

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41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	27,707	63,363	76,208	No	Yes	Yes	Bachelor's degree	No	No	No
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	29,349	89,743	122,339	Yes	Yes	Yes	Bachelor's degree	No	Yes	Yes
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	28,587	83,821	98,808	No	Yes	Yes	Some college, no degree	Yes	Yes	Yes
41-9011	Demonstrators and Product Promoters	23,362	39,472	47,255	No	No	No	No formal educational credential	Yes	Yes	Yes
41-9012	Models	20,346	38,569	48,507	No	No	No	High school diploma or equivalent	No	No	No
41-9021	Real Estate Brokers	21,754	39,047	39,264	No	No	No	Postsecondary nondegree award	No	No	No
41-9022	Real Estate Sales Agents	21,578	68,090	72,455	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
41-9031	Sales Engineers	52,720	96,228	108,779	Yes	Yes	Yes	Bachelor's degree	Yes	Yes	Yes
41-9041	Telemarketers	19,271	28,138	31,918	No	No	No	High school diploma or equivalent	No	No	No
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	18,479	27,099	29,438	No	No	No	High school diploma or equivalent	No	No	No
41-9099	Sales and Related Workers, All Other	20,686	32,835	32,411	No	No	No	Some college, no degree	No	No	No
43-1011	First-Line Supervisors of Office and Administrative Support Workers	33,454	57,434	66,125	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-2011	Switchboard Operators, Including Answering Service	19,928	27,207	30,541	No	No	No	High school diploma or equivalent	No	No	No
43-2021	Telephone Operators	23,718	30,873	32,072	No	No	No	High school diploma or equivalent	No	No	No
43-2099	Communications Equipment Operators, All Other	29,025	40,172	47,494	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3011	Bill and Account Collectors	27,144	37,899	44,106	No	No	No	High school diploma or equivalent	Yes	No	No
43-3021	Billing and Posting Clerks	30,128	39,059	43,289	Yes	No	No	High school diploma or equivalent	Yes	No	No
43-3031	Bookkeeping, Accounting, and Auditing Clerks	23,962	44,480	53,390	No	No	No	Some college, no degree	No	Yes	Yes
43-3041	Gambling Cage Workers	19,501	27,482	31,060	No	No	No	High school diploma or equivalent	No	No	No
43-3051	Payroll and Timekeeping Clerks	27,788	44,170	51,632	No	No	No	Some college, no degree	Yes	Yes	Yes
43-3061	Procurement Clerks	33,854	41,887	47,632	Yes	No	No	Associate's degree	No	No	No
43-3071	Tellers	28,354	34,958	38,730	No	No	No	High school diploma or equivalent	Yes	No	No
43-3099	Financial Clerks, All Other	31,585	48,831	56,275	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4011	Brokerage Clerks	35,292	52,659	63,715	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-4021	Correspondence Clerks	28,780	41,154	47,858	No	No	No	High school diploma or equivalent	Yes	No	No
43-4031	Court, Municipal, and License Clerks	27,327	38,785	43,173	No	No	No	Some college, no degree	Yes	No	No
43-4041	Credit Authorizers, Checkers, and Clerks	28,519	42,633	48,351	No	No	No	Some college, no degree	Yes	Yes	No
43-4051	Customer Service Representatives	22,406	34,421	39,277	No	No	No	High school diploma or equivalent	No	No	No
43-4061	Eligibility Interviewers, Government Programs	26,989	34,604	37,316	No	No	No	High school diploma or equivalent	Yes	No	No
43-4071	File Clerks	18,883	30,466	36,406	No	No	No	High school diploma or equivalent	No	No	No
43-4081	Hotel, Motel, and Resort Desk Clerks	20,170	29,450	31,994	No	No	No	High school diploma or equivalent	No	No	No
43-4111	Interviewers, Except Eligibility and Loan	22,283	32,753	38,857	No	No	No	High school diploma or equivalent	No	No	No
43-4121	Library Assistants, Clerical	22,079	30,989	35,038	No	No	No	Some college, no degree	No	No	No
43-4131	Loan Interviewers and Clerks	19,059	37,503	49,315	No	No	No	High school diploma or equivalent	No	No	No
43-4141	New Accounts Clerks	28,092	40,419	47,923	No	No	No	High school diploma or equivalent	Yes	No	No
43-4151	Order Clerks	22,068	33,790	39,377	No	No	No	High school diploma or equivalent	No	No	No
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	25,484	35,227	40,190	No	No	No	Associate's degree	No	No	No
43-4171	Receptionists and Information Clerks	21,856	31,569	36,971	No	No	No	High school diploma or equivalent	No	No	No
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	21,966	42,147	59,602	No	No	Yes	High school diploma or equivalent	No	No	Yes
43-4199	Information and Record Clerks, All Other	29,452	45,590	50,595	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
43-5011	Cargo and Freight Agents	21,897	37,272	47,506	No	No	No	High school diploma or equivalent	No	No	No
43-5021	Couriers and Messengers	22,468	35,427	44,700	No	No	No	High school diploma or equivalent	No	No	No
43-5031	Public Safety Telecommunicators	26,240	38,095	44,942	No	No	No	High school diploma or equivalent	No	No	No
43-5032	Dispatchers, Except Police, Fire, and Ambulance	25,515	38,988	43,377	No	No	No	High school diploma or equivalent	No	No	No
43-5041	Meter Readers, Utilities	28,085	52,997	64,096	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5051	Postal Service Clerks	37,762	52,110	62,995	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5052	Postal Service Mail Carriers	38,608	53,222	65,038	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	37,754	54,049	62,993	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
43-5061	Production, Planning, and Expediting Clerks	29,334	48,081	59,582	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-5071	Shipping, Receiving, and Inventory Clerks	21,969	32,180	37,340	No	No	No	High school diploma or equivalent	No	No	No
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	25,581	35,733	39,546	No	No	No	High school diploma or equivalent	No	No	No
43-6011	Executive Secretaries and Executive Administrative Assistants	33,002	55,233	68,622	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
43-6012	Legal Secretaries and Administrative Assistants	34,274	43,398	49,512	Yes	No	No	Some college, no degree	Yes	Yes	Yes
43-6013	Medical Secretaries and Administrative Assistants	26,749	35,967	40,401	No	No	No	Some college, no degree	Yes	No	No
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	26,195	38,278	45,486	No	No	No	High school diploma or equivalent	No	No	No
43-9021	Data Entry Keyers	20,846	31,077	36,531	No	No	No	High school diploma or equivalent	No	No	No
43-9022	Word Processors and Typists	26,154	31,952	36,082	No	No	No	High school diploma or equivalent	No	No	No
43-9031	Desktop Publishers	31,855	46,391	56,650	Yes	No	Yes	Associate's degree	No	No	No
43-9041	Insurance Claims and Policy Processing Clerks	27,427	44,282	52,601	No	No	No	High school diploma or equivalent	Yes	No	Yes
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	21,137	30,393	34,696	No	No	No	High school diploma or equivalent	No	No	No
43-9061	Office Clerks, General	21,003	36,801	43,527	No	No	No	High school diploma or equivalent	No	No	No
43-9071	Office Machine Operators, Except Computer	26,224	33,662	37,294	No	No	No	High school diploma or equivalent	No	No	No
43-9081	Proofreaders and Copy Markers	26,155	41,607	55,161	No	No	No	Bachelor's degree	No	No	No
43-9111	Statistical Assistants	32,239	54,365	66,612	Yes	Yes	Yes	Bachelor's degree	No	No	No
43-9199	Office and Administrative Support Workers, All Other	21,637	44,749	53,707	No	No	No	Some college, no degree	No	Yes	Yes
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	23,410	39,135	41,039	No	No	No	High school diploma or equivalent	No	No	No
45-2011	Agricultural Inspectors	21,027	35,948	36,096	No	No	No	Bachelor's degree	No	No	No
45-2021	Animal Breeders	21,496	39,090	44,939	No	No	No	High school diploma or equivalent	No	No	No
45-2041	Graders and Sorters, Agricultural Products	25,202	33,321	37,410	No	No	No	No formal educational credential	Yes	Yes	Yes
45-2091	Agricultural Equipment Operators	21,430	30,828	32,584	No	No	No	No formal educational credential	Yes	Yes	No
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	20,092	24,530	24,949	No	No	No	No formal educational credential	No	No	No
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	20,621	31,689	40,614	No	No	No	No formal educational credential	No	Yes	Yes

Workforce Region 24 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
45-2099	Agricultural Workers, All Other	22,387	28,907	29,825	No	No	No	No formal educational credential	Yes	No	No
45-3031	Fishing and Hunting Workers	20,621	31,689	40,614	No	No	No	No formal educational credential	No	Yes	Yes
45-4011	Forest and Conservation Workers	35,621	40,673	44,192	Yes	No	No	Postsecondary nondegree award	Yes	No	No
45-4021	Fallers	26,951	36,918	40,486	No	No	No	High school diploma or equivalent	Yes	No	No
45-4022	Logging Equipment Operators	18,469	35,630	45,371	No	No	No	High school diploma or equivalent	No	No	No
45-4023	Log Graders and Scalers	22,695	32,760	38,147	No	No	No	High school diploma or equivalent	No	No	No
45-4029	Logging Workers, All Other	19,393	46,580	58,670	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	37,036	64,601	78,368	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
47-2011	Boilermakers	34,471	51,013	59,859	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2021	Brickmasons and Blockmasons	29,413	42,214	48,803	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2022	Stonemasons	33,660	41,065	43,132	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2031	Carpenters	28,756	43,134	50,564	No	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2041	Carpet Installers	30,927	38,964	44,438	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	23,609	39,316	51,210	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2043	Floor Sanders and Finishers	25,713	35,188	40,191	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2044	Tile and Stone Setters	29,611	44,187	50,652	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2051	Cement Masons and Concrete Finishers	29,891	42,320	50,551	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-2053	Terrazzo Workers and Finishers	33,439	44,025	49,509	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2061	Construction Laborers	25,074	35,175	38,921	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2071	Paving, Surfacing, and Tamping Equipment Operators	26,440	37,503	41,054	No	No	No	High school diploma or equivalent	No	No	No
47-2072	Pile Driver Operators	33,095	49,784	59,309	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-2073	Operating Engineers and Other Construction Equipment Operators	28,927	43,941	47,796	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-2081	Drywall and Ceiling Tile Installers	28,452	39,627	46,578	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2082	Tapers	18,587	40,417	49,529	No	No	No	No formal educational credential	No	Yes	Yes
47-2111	Electricians	29,943	44,859	51,844	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2121	Glaziers	25,320	39,756	47,575	No	No	No	High school diploma or equivalent	No	No	No
47-2131	Insulation Workers, Floor, Ceiling, and Wall	26,981	38,717	45,519	No	No	No	High school diploma or equivalent	Yes	No	No
47-2132	Insulation Workers, Mechanical	28,760	39,208	45,351	No	No	No	High school diploma or equivalent	Yes	No	No
47-2141	Painters, Construction and Maintenance	26,571	36,128	40,640	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2142	Paperhangers	32,456	47,062	60,243	Yes	No	Yes	No formal educational credential	Yes	Yes	Yes
47-2151	Pipelayers	28,316	40,504	45,896	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2152	Plumbers, Pipefitters, and Steamfitters	32,627	44,168	50,238	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
47-2161	Plasterers and Stucco Masons	28,657	42,255	49,474	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2171	Reinforcing Iron and Rebar Workers	31,089	44,693	51,396	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2181	Roofers	23,229	34,383	40,725	No	No	No	No formal educational credential	Yes	Yes	Yes
47-2211	Sheet Metal Workers	25,391	39,590	47,544	No	No	No	High school diploma or equivalent	No	No	No
47-2221	Structural Iron and Steel Workers	37,692	45,307	49,879	Yes	No	No	High school diploma or equivalent	Yes	Yes	No
47-2231	Solar Photovoltaic Installers	25,074	35,493	39,700	No	No	No	High school diploma or equivalent	No	No	No
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	23,231	29,778	32,631	No	No	No	No formal educational credential	Yes	No	No
47-3012	Helpers--Carpenters	21,561	33,138	39,285	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3013	Helpers--Electricians	25,313	33,063	38,044	No	No	No	High school diploma or equivalent	No	No	No
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	20,346	27,748	32,328	No	No	No	No formal educational credential	No	No	No
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	25,394	30,578	32,204	No	No	No	High school diploma or equivalent	No	No	No
47-3016	Helpers--Roofers	24,278	33,616	38,481	No	No	No	No formal educational credential	Yes	Yes	Yes
47-3019	Helpers, Construction Trades, All Other	21,828	29,931	34,214	No	No	No	No formal educational credential	Yes	Yes	Yes
47-4011	Construction and Building Inspectors	44,198	63,943	74,335	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4021	Elevator and Escalator Installers and Repairers	46,509	73,841	92,558	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
47-4031	Fence Erectors	27,007	39,897	55,389	No	No	Yes	No formal educational credential	Yes	Yes	Yes
47-4041	Hazardous Materials Removal Workers	28,133	37,078	40,984	No	No	No	High school diploma or equivalent	Yes	No	No
47-4051	Highway Maintenance Workers	22,466	33,444	37,865	No	No	No	High school diploma or equivalent	No	No	No
47-4061	Rail-Track Laying and Maintenance Equipment Operators	33,665	47,327	54,266	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	21,283	37,057	47,915	No	No	No	High school diploma or equivalent	No	No	No
47-4090	Miscellaneous Construction and Related Workers	27,273	35,187	39,330	No	No	No	High school diploma or equivalent	Yes	No	No
47-5011	Derrick Operators, Oil and Gas	23,295	33,714	39,425	No	No	No	No formal educational credential	Yes	Yes	Yes
47-5012	Rotary Drill Operators, Oil and Gas	33,783	44,496	50,364	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5013	Service Unit Operators, Oil and Gas	24,514	53,284	68,873	No	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5022	Excavating and Loading Machine and Dragline Operators, Surface Mining	33,622	41,309	46,890	Yes	No	No	High school diploma or equivalent	Yes	No	No
47-5041	Continuous Mining Machine Operators	35,680	56,783	67,742	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5043	Roof Bolters, Mining	35,680	56,783	67,742	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
47-5044	Loading and Moving Machine Operators, Underground Mining	35,680	56,783	67,742	Yes	Yes	Yes	No formal educational credential	Yes	Yes	Yes
47-5051	Rock Splitters, Quarry	30,146	36,859	39,120	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5071	Roustabouts, Oil and Gas	33,783	44,496	50,364	Yes	No	No	No formal educational credential	Yes	Yes	Yes
47-5081	Helpers--Extraction Workers	23,295	33,714	39,425	No	No	No	High school diploma or equivalent	No	No	No
47-5097	Earth Drillers, Except Oil and Gas; and Explosives Workers, Ordnance Handling Experts, and Blasters	33,830	48,412	52,569	Yes	Yes	No	High school diploma or equivalent	Yes	Yes	Yes
47-5098	Underground Mining Machine Operators and Extraction Workers, All Other	35,060	55,819	71,585	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	36,047	62,051	72,413	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
49-2011	Computer, Automated Teller, and Office Machine Repairers	26,894	40,888	50,647	No	No	No	Postsecondary nondegree award	No	No	Yes
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	30,814	56,763	72,411	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	32,145	54,527	66,616	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2091	Avionics Technicians	40,810	58,369	66,000	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-2092	Electric Motor, Power Tool, and Related Repairers	26,449	32,891	35,088	No	No	No	High school diploma or equivalent	No	No	No
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	33,242	54,139	68,194	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes

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May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	31,798	50,636	59,875	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	41,734	70,573	89,622	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	28,788	40,226	46,062	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-2097	Audiovisual Equipment Installers and Repairers	33,471	39,858	45,074	Yes	No	No	Postsecondary nondegree award	Yes	No	No
49-2098	Security and Fire Alarm Systems Installers	32,039	50,946	61,094	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3011	Aircraft Mechanics and Service Technicians	29,443	62,206	77,262	Yes	Yes	Yes	Associate's degree	No	Yes	Yes
49-3021	Automotive Body and Related Repairers	31,129	53,555	62,964	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3022	Automotive Glass Installers and Repairers	21,506	36,859	42,501	No	No	No	High school diploma or equivalent	No	No	No
49-3023	Automotive Service Technicians and Mechanics	25,212	43,131	55,711	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	33,082	50,518	60,342	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3041	Farm Equipment Mechanics and Service Technicians	23,764	43,004	51,822	No	No	No	High school diploma or equivalent	No	No	Yes
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	34,198	49,173	57,993	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-3043	Rail Car Repairers	35,955	55,141	62,543	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3051	Motorboat Mechanics and Service Technicians	29,780	45,047	53,054	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
49-3052	Motorcycle Mechanics	25,221	36,250	42,668	No	No	No	High school diploma or equivalent	No	No	No
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	26,885	39,172	46,205	No	No	No	High school diploma or equivalent	Yes	No	No
49-3091	Bicycle Repairers	21,968	29,576	33,645	No	No	No	High school diploma or equivalent	No	No	No
49-3092	Recreational Vehicle Service Technicians	26,902	47,209	59,623	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-3093	Tire Repairers and Changers	28,087	37,341	39,910	No	No	No	High school diploma or equivalent	Yes	No	No
49-9011	Mechanical Door Repairers	26,420	35,876	42,873	No	No	No	High school diploma or equivalent	No	No	No
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	26,684	37,537	40,776	No	No	No	Postsecondary nondegree award	No	No	No
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	34,367	51,330	60,460	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9031	Home Appliance Repairers	21,292	31,298	37,463	No	No	No	Postsecondary nondegree award	No	No	No
49-9041	Industrial Machinery Mechanics	35,694	54,454	62,956	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9043	Maintenance Workers, Machinery	24,395	39,944	48,914	No	No	No	High school diploma or equivalent	No	No	No
49-9044	Millwrights	31,610	49,322	60,822	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9045	Refractory Materials Repairers, Except Brickmasons	23,541	33,370	37,852	No	No	No	High school diploma or equivalent	No	No	No
49-9051	Electrical Power-Line Installers and Repairers	34,465	68,256	94,277	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9052	Telecommunications Line Installers and Repairers	35,500	54,440	63,382	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
49-9061	Camera and Photographic Equipment Repairers	19,118	40,830	54,050	No	No	No	Associate's degree	No	No	No
49-9062	Medical Equipment Repairers	26,762	44,820	50,471	No	No	No	Associate's degree	No	No	No
49-9063	Musical Instrument Repairers and Tuners	23,344	34,716	39,572	No	No	No	High school diploma or equivalent	No	No	No
49-9064	Watch and Clock Repairers	21,565	43,061	53,480	No	No	No	High school diploma or equivalent	No	No	Yes
49-9069	Precision Instrument and Equipment Repairers, All Other	37,724	55,918	64,086	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9071	Maintenance and Repair Workers, General	26,498	39,535	47,510	No	No	No	High school diploma or equivalent	No	No	No
49-9081	Wind Turbine Service Technicians	44,270	72,490	88,069	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	23,480	30,338	32,062	No	No	No	High school diploma or equivalent	No	No	No
49-9092	Commercial Divers	33,360	49,499	50,276	Yes	Yes	No	Postsecondary nondegree award	Yes	Yes	Yes
49-9094	Locksmiths and Safe Repairers	26,412	36,122	42,818	No	No	No	High school diploma or equivalent	No	No	No
49-9095	Manufactured Building and Mobile Home Installers	20,995	28,898	31,581	No	No	No	High school diploma or equivalent	No	No	No
49-9096	Riggers	26,462	38,496	46,322	No	No	No	High school diploma or equivalent	No	No	No
49-9097	Signal and Track Switch Repairers	39,031	65,187	78,476	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
49-9098	Helpers--Installation, Maintenance, and Repair Workers	23,966	31,216	35,507	No	No	No	High school diploma or equivalent	No	No	No
49-9099	Installation, Maintenance, and Repair Workers, All Other	26,768	39,123	46,425	No	No	No	High school diploma or equivalent	No	No	No
51-1011	First-Line Supervisors of Production and Operating Workers	36,878	59,196	67,374	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	18,941	40,614	52,478	No	No	No	Postsecondary nondegree award	No	No	Yes
51-2021	Coil Winders, Tapers, and Finishers	18,449	35,237	49,165	No	No	No	High school diploma or equivalent	No	No	No
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	21,399	44,183	48,649	No	No	No	High school diploma or equivalent	No	No	No
51-2031	Engine and Other Machine Assemblers	25,172	29,821	31,286	No	No	No	High school diploma or equivalent	No	No	No
51-2041	Structural Metal Fabricators and Fitters	23,317	37,281	43,786	No	No	No	High school diploma or equivalent	No	No	No
51-2051	Fiberglass Laminators and Fabricators	25,556	35,404	39,415	No	No	No	High school diploma or equivalent	No	No	No
51-2061	Timing Device Assemblers and Adjusters										
51-2090	Miscellaneous Assemblers and Fabricators	25,087	37,896	45,323	No	No	No	High school diploma or equivalent	No	No	No
51-3011	Bakers	22,873	33,237	38,826	No	No	No	High school diploma or equivalent	No	No	No
51-3021	Butchers and Meat Cutters	29,036	38,491	43,560	Yes	No	No	No formal educational credential	Yes	Yes	Yes
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	24,146	33,780	38,714	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3023	Slaughterers and Meat Packers	22,037	28,141	30,893	No	No	No	No formal educational credential	Yes	No	No
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	25,202	33,321	37,410	No	No	No	No formal educational credential	Yes	Yes	Yes
51-3092	Food Batchmakers	22,935	29,441	31,755	No	No	No	High school diploma or equivalent	No	No	No
51-3093	Food Cooking Machine Operators and Tenders	19,147	27,630	32,082	No	No	No	High school diploma or equivalent	No	No	No
51-3099	Food Processing Workers, All Other	20,838	26,902	30,175	No	No	No	No formal educational credential	No	No	No
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	25,379	35,031	39,778	No	No	No	High school diploma or equivalent	No	No	No
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	26,018	35,139	38,884	No	No	No	High school diploma or equivalent	No	No	No
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	26,195	36,043	42,157	No	No	No	High school diploma or equivalent	No	No	No
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	22,909	32,644	37,395	No	No	No	High school diploma or equivalent	No	No	No
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	32,957	54,207	66,189	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	21,821	32,239	37,557	No	No	No	High school diploma or equivalent	No	No	No
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	22,695	37,478	44,064	No	No	No	High school diploma or equivalent	No	No	No
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	33,252	43,798	49,706	Yes	No	No	Postsecondary nondegree award	Yes	Yes	No

Workforce Region 24 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-4041	Machinists	29,866	47,331	56,893	Yes	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4051	Metal-Refining Furnace Operators and Tenders	30,195	41,734	48,536	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-4052	Pourers and Casters, Metal	25,821	40,761	48,860	No	No	No	High school diploma or equivalent	No	No	No
51-4061	Model Makers, Metal and Plastic	32,957	54,207	66,189	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4062	Patternmakers, Metal and Plastic	29,418	52,438	61,914	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4071	Foundry Mold and Coremakers	21,133	37,115	47,101	No	No	No	High school diploma or equivalent	No	No	No
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	21,783	29,157	31,140	No	No	No	High school diploma or equivalent	No	No	No
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	25,192	35,660	39,149	No	No	No	High school diploma or equivalent	No	No	No
51-4111	Tool and Die Makers	27,341	51,374	65,582	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4121	Welders, Cutters, Solderers, and Brazers	28,603	54,272	56,120	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	24,818	35,060	40,260	No	No	No	Postsecondary nondegree award	No	No	No
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	22,047	34,313	39,464	No	No	No	High school diploma or equivalent	No	No	No
51-4192	Layout Workers, Metal and Plastic	28,249	45,076	56,075	No	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-4193	Plating Machine Setters, Operators, and Tenders, Metal and Plastic	23,443	33,292	38,032	No	No	No	High school diploma or equivalent	No	No	No
51-4194	Tool Grinders, Filers, and Sharpeners	25,880	35,395	39,218	No	No	No	High school diploma or equivalent	No	No	No
51-4199	Metal Workers and Plastic Workers, All Other	20,946	33,694	38,304	No	No	No	High school diploma or equivalent	No	No	No
51-5111	Prepress Technicians and Workers	22,469	38,068	45,450	No	No	No	Postsecondary nondegree award	No	No	No
51-5112	Printing Press Operators	25,391	33,380	38,056	No	No	No	High school diploma or equivalent	No	No	No
51-5113	Print Binding and Finishing Workers	29,930	41,812	48,403	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-6011	Laundry and Dry-Cleaning Workers	19,128	25,049	27,459	No	No	No	No formal educational credential	No	No	No
51-6021	Pressers, Textile, Garment, and Related Materials	20,157	24,716	27,493	No	No	No	No formal educational credential	No	No	No
51-6031	Sewing Machine Operators	18,492	27,915	35,084	No	No	No	No formal educational credential	No	No	Yes
51-6041	Shoe and Leather Workers and Repairers	19,471	30,470	36,672	No	No	No	High school diploma or equivalent	No	No	No
51-6042	Shoe Machine Operators and Tenders	18,744	29,350	35,414	No	No	No	High school diploma or equivalent	No	No	No
51-6051	Sewers, Hand	20,838	28,052	33,419	No	No	No	No formal educational credential	No	No	No
51-6052	Tailors, Dressmakers, and Custom Sewers	26,481	32,920	33,970	No	No	No	No formal educational credential	Yes	Yes	Yes
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	25,359	30,578	34,775	No	No	No	High school diploma or equivalent	No	No	No
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	20,818	30,854	36,210	No	No	No	High school diploma or equivalent	No	No	No
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	18,744	25,998	29,605	No	No	No	High school diploma or equivalent	No	No	No
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	20,720	44,477	69,236	No	No	Yes	High school diploma or equivalent	No	Yes	Yes
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	37,469	67,742	80,707	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-6092	Fabric and Apparel Patternmakers	18,508	29,104	30,962	No	No	No	High school diploma or equivalent	No	No	No
51-6093	Upholsterers	23,260	34,559	39,607	No	No	No	High school diploma or equivalent	No	No	No
51-6099	Textile, Apparel, and Furnishings Workers, All Other	18,390	27,089	33,095	No	No	No	High school diploma or equivalent	No	No	No
51-7011	Cabinetmakers and Bench Carpenters	25,671	37,833	43,773	No	No	No	High school diploma or equivalent	No	No	No
51-7021	Furniture Finishers	31,307	40,819	44,702	Yes	No	No	High school diploma or equivalent	Yes	No	No
51-7031	Model Makers, Wood	29,418	52,438	61,914	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7032	Patternmakers, Wood	32,957	54,207	66,189	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	21,388	30,254	33,645	No	No	No	High school diploma or equivalent	No	No	No
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	21,570	34,026	42,832	No	No	No	High school diploma or equivalent	No	No	No
51-7099	Woodworkers, All Other	22,450	40,142	55,878	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-8011	Nuclear Power Reactor Operators	69,226	94,654	107,285	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8012	Power Distributors and Dispatchers	49,971	79,989	100,276	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8013	Power Plant Operators	41,188	65,827	77,182	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8021	Stationary Engineers and Boiler Operators	38,383	57,304	64,675	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8031	Water and Wastewater Treatment Plant and System Operators	33,819	49,437	58,539	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-8091	Chemical Plant and System Operators	31,325	51,082	62,179	Yes	Yes	Yes	Associate's degree	No	No	Yes
51-8092	Gas Plant Operators	32,534	47,140	56,625	Yes	No	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	29,880	50,423	58,690	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
51-8099	Plant and System Operators, All Other	42,302	65,593	58,593	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9011	Chemical Equipment Operators and Tenders	26,303	43,956	55,593	No	No	Yes	High school diploma or equivalent	No	No	Yes
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	24,258	37,724	45,440	No	No	No	High school diploma or equivalent	No	No	No
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	23,492	35,414	40,801	No	No	No	High school diploma or equivalent	No	No	No
51-9022	Grinding and Polishing Workers, Hand	22,666	32,986	37,380	No	No	No	No formal educational credential	Yes	Yes	Yes
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	27,604	35,727	39,873	No	No	No	High school diploma or equivalent	Yes	No	No
51-9031	Cutters and Trimmers, Hand	20,641	34,844	41,528	No	No	No	No formal educational credential	No	Yes	Yes
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	26,210	32,894	37,627	No	No	No	High school diploma or equivalent	No	No	No
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	22,777	30,693	34,050	No	No	No	High school diploma or equivalent	No	No	No
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	22,627	32,397	37,292	No	No	No	High school diploma or equivalent	No	No	No
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	24,628	45,107	55,729	No	No	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9071	Jewelers and Precious Stone and Metal Workers	26,431	48,454	54,604	No	Yes	No	High school diploma or equivalent	No	Yes	Yes
51-9081	Dental Laboratory Technicians	27,956	43,613	56,290	No	No	Yes	Postsecondary nondegree award	Yes	Yes	Yes
51-9082	Medical Appliance Technicians	23,093	48,382	69,606	No	Yes	Yes	Postsecondary nondegree award	No	Yes	Yes
51-9083	Ophthalmic Laboratory Technicians	21,693	33,694	38,029	No	No	No	High school diploma or equivalent	No	No	No
51-9111	Packaging and Filling Machine Operators and Tenders	18,837	25,619	28,892	No	No	No	High school diploma or equivalent	No	No	No
51-9123	Painting, Coating, and Decorating Workers	19,383	32,289	41,636	No	No	No	High school diploma or equivalent	No	No	No
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	26,954	40,602	44,701	No	No	No	High school diploma or equivalent	Yes	No	No
51-9141	Semiconductor Processing Technicians	27,905	41,105	48,192	No	No	No	High school diploma or equivalent	Yes	No	No

Workforce Region 24 Wages by Detailed Occupation

May 2020 Occupational Code	Occupational Title	Annual Wages ($) by Occupation: Representative Starting Wage ($)	Annual Wages ($) by Occupation: Average Annual Wage ($)	Annual Wages ($) by Occupation: High-Level Wage Threshold ($)	Wage Meets or Exceeds All Occupation Metric: Representative Starting Wage	Wage Meets or Exceeds All Occupation Metric: Average Annual Wage	Wage Meets or Exceeds All Occupation Metric: High-Level Wage	Educational Requirement	Wage Meets or Exceeds Educational Level Metric: Representative Starting Wage	Wage Meets or Exceeds Educational Level Metric: Average Annual Wage	Wage Meets or Exceeds Educational Level Metric: High-Level Wage
51-9151	Photographic Process Workers and Processing Machine Operators	23,777	41,312	49,509	No	No	No	High school diploma or equivalent	No	No	No
51-9161	Computer Numerically Controlled Tool Operators	26,722	37,134	42,538	No	No	No	Postsecondary nondegree award	No	No	No
51-9162	Computer Numerically Controlled Tool Programmers	36,256	57,966	71,571	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
51-9191	Adhesive Bonding Machine Operators and Tenders	21,211	34,097	41,322	No	No	No	High school diploma or equivalent	No	No	No
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	23,531	34,107	39,179	No	No	No	High school diploma or equivalent	No	No	No
51-9193	Cooling and Freezing Equipment Operators and Tenders	21,339	36,515	45,116	No	No	No	High school diploma or equivalent	No	No	No
51-9194	Etchers and Engravers	23,359	34,299	38,698	No	No	No	High school diploma or equivalent	No	No	No
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	27,792	35,927	39,752	No	No	No	High school diploma or equivalent	Yes	No	No
51-9196	Paper Goods Machine Setters, Operators, and Tenders	25,290	36,181	40,712	No	No	No	High school diploma or equivalent	No	No	No
51-9197	Tire Builders	25,782	37,095	45,037	No	No	No	High school diploma or equivalent	No	No	No
51-9198	Helpers--Production Workers	23,061	35,013	41,348	No	No	No	High school diploma or equivalent	No	No	No
51-9199	Production Workers, All Other	21,862	33,255	38,269	No	No	No	High school diploma or equivalent	No	No	No
53-1041	Aircraft Cargo Handling Supervisors	34,205	62,562	77,660	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-1047	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	33,830	54,195	65,897	Yes	Yes	Yes	Some college, no degree	Yes	Yes	Yes
53-2011	Airline Pilots, Copilots, and Flight Engineers	126,933	249,571	*	Yes	Yes	Yes*	Bachelor's degree	Yes	Yes	Yes*
53-2012	Commercial Pilots	52,205	105,471	125,023	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-2021	Air Traffic Controllers	68,322	120,554	149,402	Yes	Yes	Yes	Associate's degree	Yes	Yes	Yes
53-2022	Airfield Operations Specialists	24,986	45,833	59,378	No	No	Yes	Some college, no degree	Yes	Yes	Yes
53-2031	Flight Attendants	30,274	57,245	66,120	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	21,683	33,154	38,716	No	No	No	High school diploma or equivalent	No	No	No
53-3031	Driver/Sales Workers	19,793	29,101	35,837	No	No	No	High school diploma or equivalent	No	No	No
53-3032	Heavy and Tractor-Trailer Truck Drivers	27,475	42,745	48,310	No	No	No	Postsecondary nondegree award	Yes	Yes	No
53-3033	Light Truck Drivers	22,459	38,560	43,688	No	No	No	High school diploma or equivalent	No	No	No
53-3052	Bus Drivers, Transit and Intercity	28,099	37,592	39,546	No	No	No	High school diploma or equivalent	Yes	No	No
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	22,910	34,455	39,794	No	No	No	High school diploma or equivalent	No	No	No
53-3099	Motor Vehicle Operators, All Other	19,819	32,522	37,552	No	No	No	High school diploma or equivalent	No	No	No
53-4011	Locomotive Engineers	52,635	66,091	72,804	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	53,116	66,740	75,969	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	34,166	55,819	66,730	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4031	Railroad Conductors and Yardmasters	53,116	66,740	75,969	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-4041	Subway and Streetcar Operators	22,007	41,469	58,444	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-4099	Rail Transportation Workers, All Other	28,475	54,404	71,015	No	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-5011	Sailors and Marine Oilers	31,487	45,781	54,322	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-5021	Captains, Mates, and Pilots of Water Vessels	27,361	74,552	121,765	No	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-5022	Motorboat Operators	29,517	44,186	53,164	Yes	No	No	Postsecondary nondegree award	Yes	Yes	Yes
53-5031	Ship Engineers	32,338	72,136	88,364	Yes	Yes	Yes	Postsecondary nondegree award	Yes	Yes	Yes
53-6011	Bridge and Lock Tenders	22,984	38,860	55,375	No	No	Yes	High school diploma or equivalent	No	No	Yes
53-6021	Parking Attendants	18,898	24,710	28,352	No	No	No	No formal educational credential	No	No	No
53-6031	Automotive and Watercraft Service Attendants	22,032	29,503	33,362	No	No	No	No formal educational credential	Yes	No	No
53-6041	Traffic Technicians	33,706	50,948	59,479	Yes	Yes	Yes	Associate's degree	No	No	No
53-6051	Transportation Inspectors	35,786	90,100	136,555	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-6061	Passenger Attendants	21,017	29,054	31,445	No	No	No	High school diploma or equivalent	No	No	No
53-6098	Aircraft Service Attendants and Transportation Workers, All Other	23,511	34,479	40,095	No	No	No	High school diploma or equivalent	No	No	No
53-7011	Conveyor Operators and Tenders	19,668	33,389	40,054	No	No	No	No formal educational credential	No	Yes	Yes
53-7021	Crane and Tower Operators	42,350	61,872	72,610	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7031	Dredge Operators	33,557	47,357	54,984	Yes	No	No	High school diploma or equivalent	Yes	Yes	Yes
53-7041	Hoist and Winch Operators	26,519	40,850	42,934	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7051	Industrial Truck and Tractor Operators	26,239	40,090	49,412	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7061	Cleaners of Vehicles and Equipment	19,265	26,785	30,338	No	No	No	No formal educational credential	No	No	No
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	21,206	30,658	35,638	No	No	No	No formal educational credential	Yes	Yes	Yes
53-7063	Machine Feeders and Offbearers	19,668	31,915	38,147	No	No	No	No formal educational credential	No	Yes	Yes
53-7064	Packers and Packagers, Hand	19,456	24,311	25,450	No	No	No	No formal educational credential	No	No	No
53-7065	Stockers and Order Fillers	20,773	29,044	33,261	No	No	No	High school diploma or equivalent	No	No	No
53-7071	Gas Compressor and Gas Pumping Station Operators	34,530	64,096	77,060	Yes	Yes	Yes	High school diploma or equivalent	Yes	Yes	Yes
53-7072	Pump Operators, Except Wellhead Pumpers	19,953	40,034	47,691	No	No	No	High school diploma or equivalent	No	No	No
53-7073	Wellhead Pumpers	24,651	39,110	48,054	No	No	No	High school diploma or equivalent	No	No	No
53-7081	Refuse and Recyclable Material Collectors	19,819	35,211	42,884	No	No	No	No formal educational credential	No	Yes	Yes
53-7121	Tank Car, Truck, and Ship Loaders	19,668	33,389	40,054	No	No	No	No formal educational credential	No	Yes	Yes
53-7199	Material Moving Workers, All Other	22,351	41,882	53,284	No	No	No	No formal educational credential	Yes	Yes	Yes

Critical Undersupply Summary

	Total SOCs	SOCs Requiring Postsecondary Nondegree Award	SOCs Requiring Associate's Degree
Statewide	52	28	24
Workforce Region 1	10	7	3
Workforce Region 2	65	37	28
Workforce Region 3	5	5	0
Workforce Region 4	35	20	15
Workforce Region 5	85	50	35
Workforce Region 6	4	4	0
Workforce Region 7	5	5	0
Workforce Region 8	80	44	36
Workforce Region 9	83	48	35
Workforce Region 10	5	5	0
Workforce Region 11	2	2	0
Workforce Region 12	109	60	49
Workforce Region 13	13	8	5
Workforce Region 14	102	59	43
Workforce Region 15	110	62	48
Workforce Region 16	0	0	0
Workforce Region 17	5	4	1
Workforce Region 18	24	14	10
Workforce Region 19	5	5	0
Workforce Region 20	4	4	0
Workforce Region 21	40	24	16
Workforce Region 22	16	10	6
Workforce Region 23	32	18	14
Workforce Region 24	10	4	6

Statewide Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	15-1231	Computer Network Support Specialists	-95	99.10%
Associate's degree	17-3011	Architectural and Civil Drafters	-74	99.09%
Associate's degree	17-3019	Drafters, All Other	-9	99.11%
Associate's degree	17-3023	Electrical and Electronic Engineering Technologists and Technicians	-71	99.08%
Associate's degree	17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	-3	99.15%
Associate's degree	17-3025	Environmental Engineering Technologists and Technicians	-11	99.04%
Associate's degree	17-3027	Mechanical Engineering Technologists and Technicians	-12	99.01%
Associate's degree	19-4010	Agricultural and Food Science Technicians	-3	99.33%
Associate's degree	19-4031	Chemical Technicians	-24	99.06%
Associate's degree	23-2099	Legal Support Workers, All Other	-25	99.13%
Associate's degree	27-3099	Media and Communication Workers, All Other	-8	99.22%
Associate's degree	27-4011	Audio and Video Technicians	-34	99.53%
Associate's degree	27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	-6	99.45%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-1,364	82.05%
Associate's degree	29-2033	Nuclear Medicine Technologists	-316	86.86%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-387	91.70%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-420	99.09%
Associate's degree	35-1011	Chefs and Head Cooks	-138	99.08%
Associate's degree	43-3061	Procurement Clerks	-31	99.13%
Associate's degree	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-8	99.04%
Associate's degree	49-2091	Avionics Technicians	-25	99.06%
Associate's degree	49-3011	Aircraft Mechanics and Service Technicians	-149	99.10%
Associate's degree	51-8091	Chemical Plant and System Operators	-12	99.01%
Associate's degree	53-2021	Air Traffic Controllers	-113	95.61%
Postsecondary nondegree award	13-1032	Insurance Appraisers, Auto Damage	-13	99.15%
Postsecondary nondegree award	15-1232	Computer User Support Specialists	-462	99.09%
Postsecondary nondegree award	19-5012	Occupational Health and Safety Technicians	-7	98.96%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-126	99.09%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-18,253	75.63%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-137	89.19%
Postsecondary nondegree award	31-1131	Nursing Assistants	-36,207	74.80%
Postsecondary nondegree award	31-9091	Dental Assistants	-209	99.14%
Postsecondary nondegree award	31-9092	Medical Assistants	-619	99.09%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-685	83.53%
Postsecondary nondegree award	39-5011	Barbers	-58	99.06%
Postsecondary nondegree award	39-5091	Makeup Artists, Theatrical and Performance	-5	97.35%
Postsecondary nondegree award	39-5094	Skincare Specialists	-63	99.08%
Postsecondary nondegree award	39-9031	Exercise Trainers and Group Fitness Instructors	-215	99.09%
Postsecondary nondegree award	41-9021	Real Estate Brokers	-82	99.08%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-12,101	81.41%
Postsecondary nondegree award	47-2111	Electricians	-199	99.63%
Postsecondary nondegree award	47-2152	Plumbers, Pipefitters, and Steamfitters	-314	99.09%
Postsecondary nondegree award	47-4021	Elevator and Escalator Installers and Repairers	-21	99.07%
Postsecondary nondegree award	49-2097	Audiovisual Equipment Installers and Repairers	-8	99.65%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-106	99.11%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-244	94.46%
Postsecondary nondegree award	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-8	99.61%
Postsecondary nondegree award	49-9092	Commercial Divers	-5	99.04%
Postsecondary nondegree award	51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	-17	99.08%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-24	99.74%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-12,573	90.27%
Postsecondary nondegree award	53-5031	Ship Engineers	-17	99.05%

** Consensus estimating conferences generally operate on the assumption that current law and current administrative practices will remain in effect throughout the period for which the official information developed by the conference is to be used. See s. 216.134(1), F.S. The Labor Market Estimating Conference (LMEC) follows this current law/current administration approach and assumes that all current material efforts by stakeholders to provide training or education will continue without significant interruption. The LMEC also assumes that lists adopted prior to the effective date of CS/CS/CS/HB 1507 (2021) and through June 30, 2022, that are used to guide those efforts will continue to be used unless or until further analysis adopted by the LMEC clearly indicates otherwise.*

Workforce Region 1 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-22	87.43%
Associate's degree	29-2033	Nuclear Medicine Technologists	-5	93.15%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-6	96.00%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-383	76.56%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-4	83.33%
Postsecondary nondegree award	31-1131	Nursing Assistants	-954	75.41%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-12	85.37%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-169	84.87%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-1	97.50%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-167	92.41%

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Workforce Region 2 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	15-1231	Computer Network Support Specialists	-8	93.28%
Associate's degree	15-1257	Web Developers and Digital Interface Designers	-8	93.65%
Associate's degree	17-3011	Architectural and Civil Drafters	-13	93.12%
Associate's degree	17-3013	Mechanical Drafters	-2	95.45%
Associate's degree	17-3022	Civil Engineering Technologists and Technicians	-2	97.06%
Associate's degree	17-3023	Electrical and Electronic Engineering Technologists and Technicians	-26	92.61%
Associate's degree	17-3027	Mechanical Engineering Technologists and Technicians	-3	91.89%
Associate's degree	23-2099	Legal Support Workers, All Other	-6	91.30%
Associate's degree	25-2011	Preschool Teachers, Except Special Education	-36	91.13%
Associate's degree	25-4031	Library Technicians	-3	91.89%
Associate's degree	27-4011	Audio and Video Technicians	-4	94.12%
Associate's degree	29-1126	Respiratory Therapists	-13	92.49%
Associate's degree	29-1292	Dental Hygienists	-14	93.17%
Associate's degree	29-2010	Clinical Laboratory Technologists and Technicians	-4	97.32%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-11	76.09%
Associate's degree	29-2032	Diagnostic Medical Sonographers	-11	92.62%
Associate's degree	29-2034	Radiologic Technologists and Technicians	-15	91.89%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-6	78.57%
Associate's degree	29-2056	Veterinary Technologists and Technicians	-5	96.75%
Associate's degree	31-2021	Physical Therapist Assistants	-10	92.54%
Associate's degree	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	-4	95.70%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-71	90.37%
Associate's degree	35-1011	Chefs and Head Cooks	-19	91.88%
Associate's degree	43-3061	Procurement Clerks	-7	88.52%
Associate's degree	49-2091	Avionics Technicians	-8	90.59%
Associate's degree	49-3011	Aircraft Mechanics and Service Technicians	-36	92.27%
Associate's degree	49-9062	Medical Equipment Repairers	-2	96.61%
Associate's degree	53-2021	Air Traffic Controllers	-8	94.16%
Postsecondary nondegree award	13-2082	Tax Preparers	-5	97.01%
Postsecondary nondegree award	15-1232	Computer User Support Specialists	-47	92.87%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-27	89.49%
Postsecondary nondegree award	29-2052	Pharmacy Technicians	-21	93.56%
Postsecondary nondegree award	29-2053	Psychiatric Technicians	-1	99.21%
Postsecondary nondegree award	29-2055	Surgical Technologists	-24	93.00%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-324	68.54%
Postsecondary nondegree award	29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	-14	94.81%
Postsecondary nondegree award	29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	-3	91.67%
Postsecondary nondegree award	31-1131	Nursing Assistants	-505	67.65%
Postsecondary nondegree award	31-9091	Dental Assistants	-34	89.27%
Postsecondary nondegree award	31-9092	Medical Assistants	-61	90.03%
Postsecondary nondegree award	31-9097	Phlebotomists	-4	95.24%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-13	76.79%
Postsecondary nondegree award	39-5011	Barbers	-6	90.00%
Postsecondary nondegree award	39-5012	Hairdressers, Hairstylists, and Cosmetologists	-43	94.80%
Postsecondary nondegree award	39-5092	Manicurists and Pedicurists	-2	96.08%
Postsecondary nondegree award	39-5094	Skincare Specialists	-9	83.93%
Postsecondary nondegree award	39-9031	Exercise Trainers and Group Fitness Instructors	-16	91.96%
Postsecondary nondegree award	41-9021	Real Estate Brokers	-15	89.80%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-263	77.64%
Postsecondary nondegree award	47-2031	Carpenters	-37	95.24%
Postsecondary nondegree award	47-2111	Electricians	-65	90.92%
Postsecondary nondegree award	47-2152	Plumbers, Pipefitters, and Steamfitters	-43	90.89%
Postsecondary nondegree award	47-4011	Construction and Building Inspectors	-15	95.80%
Postsecondary nondegree award	49-2011	Computer, Automated Teller, and Office Machine Repairers	-1	98.67%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-26	90.44%
Postsecondary nondegree award	49-3023	Automotive Service Technicians and Mechanics	-70	92.84%
Postsecondary nondegree award	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	-9	93.84%
Postsecondary nondegree award	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	-4	96.40%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-13	87.62%
Postsecondary nondegree award	49-9041	Industrial Machinery Mechanics	-6	95.89%
Postsecondary nondegree award	49-9051	Electrical Power-Line Installers and Repairers	-1	99.38%
Postsecondary nondegree award	51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	-9	83.93%
Postsecondary nondegree award	51-4121	Welders, Cutters, Solderers, and Brazers	-17	90.50%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-19	89.89%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-145	84.59%

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Workforce Region 3 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-79	83.78%
Postsecondary nondegree award	31-1131	Nursing Assistants	-139	82.56%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-2	88.89%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-9	85.48%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-42	93.16%

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Workforce Region 4 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	15-1231	Computer Network Support Specialists	-1	98.33%
Associate's degree	17-3011	Architectural and Civil Drafters	-1	99.20%
Associate's degree	17-3023	Electrical and Electronic Engineering Technologists and Technicians	-1	99.48%
Associate's degree	25-2011	Preschool Teachers, Except Special Education	-19	95.81%
Associate's degree	29-1126	Respiratory Therapists	-1	99.04%
Associate's degree	29-1292	Dental Hygienists	-1	99.19%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-8	81.82%
Associate's degree	29-2034	Radiologic Technologists and Technicians	-4	97.53%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-5	81.48%
Associate's degree	31-2021	Physical Therapist Assistants	-2	97.53%
Associate's degree	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	-3	96.81%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-20	96.71%
Associate's degree	35-1011	Chefs and Head Cooks	-3	97.73%
Associate's degree	49-3011	Aircraft Mechanics and Service Technicians	-3	96.91%
Associate's degree	53-2021	Air Traffic Controllers	-3	95.00%
Postsecondary nondegree award	15-1232	Computer User Support Specialists	-3	99.03%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-9	94.44%
Postsecondary nondegree award	29-2052	Pharmacy Technicians	-1	99.59%
Postsecondary nondegree award	29-2055	Surgical Technologists	-1	99.13%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-139	72.64%
Postsecondary nondegree award	31-1131	Nursing Assistants	-271	71.35%
Postsecondary nondegree award	31-9091	Dental Assistants	-6	96.00%
Postsecondary nondegree award	31-9092	Medical Assistants	-19	96.36%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-5	79.17%
Postsecondary nondegree award	39-9031	Exercise Trainers and Group Fitness Instructors	-2	98.29%
Postsecondary nondegree award	41-9021	Real Estate Brokers	-4	95.79%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-182	77.36%
Postsecondary nondegree award	47-2111	Electricians	-20	97.01%
Postsecondary nondegree award	47-2152	Plumbers, Pipefitters, and Steamfitters	-14	96.91%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-3	97.62%
Postsecondary nondegree award	49-3023	Automotive Service Technicians and Mechanics	-5	99.04%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-4	87.10%
Postsecondary nondegree award	51-4121	Welders, Cutters, Solderers, and Brazers	-4	97.42%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-4	96.85%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-176	84.22%

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Workforce Region 5 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	15-1231	Computer Network Support Specialists	-39	87.09%
Associate's degree	15-1257	Web Developers and Digital Interface Designers	-19	88.48%
Associate's degree	17-3011	Architectural and Civil Drafters	-21	88.65%
Associate's degree	17-3022	Civil Engineering Technologists and Technicians	-13	91.88%
Associate's degree	17-3023	Electrical and Electronic Engineering Technologists and Technicians	-14	84.44%
Associate's degree	17-3031	Surveying and Mapping Technicians	-1	99.12%
Associate's degree	19-4010	Agricultural and Food Science Technicians	-1	88.89%
Associate's degree	19-4031	Chemical Technicians	-1	96.55%
Associate's degree	23-2011	Paralegals and Legal Assistants	-40	95.48%
Associate's degree	23-2099	Legal Support Workers, All Other	-15	84.04%
Associate's degree	25-2011	Preschool Teachers, Except Special Education	-73	85.01%
Associate's degree	25-4031	Library Technicians	-5	92.86%
Associate's degree	27-3099	Media and Communication Workers, All Other	-7	89.39%
Associate's degree	27-4011	Audio and Video Technicians	-4	93.94%
Associate's degree	29-1126	Respiratory Therapists	-20	87.34%
Associate's degree	29-1292	Dental Hygienists	-28	88.28%
Associate's degree	29-2010	Clinical Laboratory Technologists and Technicians	-23	93.24%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-55	70.27%
Associate's degree	29-2032	Diagnostic Medical Sonographers	-16	84.91%
Associate's degree	29-2033	Nuclear Medicine Technologists	-9	71.88%
Associate's degree	29-2034	Radiologic Technologists and Technicians	-34	87.07%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-15	78.26%
Associate's degree	29-2056	Veterinary Technologists and Technicians	-28	91.46%
Associate's degree	31-2011	Occupational Therapy Assistants	-1	97.56%
Associate's degree	31-2021	Physical Therapist Assistants	-17	84.55%
Associate's degree	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	-8	90.00%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-206	85.68%
Associate's degree	35-1011	Chefs and Head Cooks	-25	87.24%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-2	88.89%
Associate's degree	43-3061	Procurement Clerks	-1	97.73%
Associate's degree	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-1	92.86%
Associate's degree	49-2091	Avionics Technicians	-1	93.75%
Associate's degree	49-3011	Aircraft Mechanics and Service Technicians	-17	83.96%
Associate's degree	51-8091	Chemical Plant and System Operators	-2	93.55%
Associate's degree	53-2021	Air Traffic Controllers	-5	81.48%
Postsecondary nondegree award	13-2082	Tax Preparers	-14	91.62%
Postsecondary nondegree award	15-1232	Computer User Support Specialists	-172	88.03%
Postsecondary nondegree award	19-5012	Occupational Health and Safety Technicians	-1	90.00%
Postsecondary nondegree award	27-3092	Court Reporters and Simultaneous Captioners	-13	86.02%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-23	84.87%
Postsecondary nondegree award	29-2052	Pharmacy Technicians	-52	88.15%
Postsecondary nondegree award	29-2053	Psychiatric Technicians	-21	95.85%
Postsecondary nondegree award	29-2055	Surgical Technologists	-21	88.07%
Postsecondary nondegree award	29-2057	Ophthalmic Medical Technicians	-8	91.40%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-1,067	51.14%
Postsecondary nondegree award	29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	-49	89.88%
Postsecondary nondegree award	29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	-4	92.16%
Postsecondary nondegree award	31-1131	Nursing Assistants	-1,399	50.46%
Postsecondary nondegree award	31-9091	Dental Assistants	-55	84.81%
Postsecondary nondegree award	31-9092	Medical Assistants	-150	85.49%
Postsecondary nondegree award	31-9097	Phlebotomists	-15	87.70%
Postsecondary nondegree award	33-2021	Fire Inspectors and Investigators	-6	87.76%
Postsecondary nondegree award	33-9011	Animal Control Workers	-1	95.24%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-17	68.52%
Postsecondary nondegree award	39-5011	Barbers	-13	85.87%
Postsecondary nondegree award	39-5012	Hairdressers, Hairstylists, and Cosmetologists	-82	89.57%
Postsecondary nondegree award	39-5094	Skincare Specialists	-7	89.71%
Postsecondary nondegree award	39-9031	Exercise Trainers and Group Fitness Instructors	-41	86.05%
Postsecondary nondegree award	41-3021	Insurance Sales Agents	-84	88.72%
Postsecondary nondegree award	41-9021	Real Estate Brokers	-18	83.49%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-314	66.35%
Postsecondary nondegree award	47-2031	Carpenters	-95	90.05%
Postsecondary nondegree award	47-2111	Electricians	-99	86.44%
Postsecondary nondegree award	47-2152	Plumbers, Pipefitters, and Steamfitters	-62	86.07%
Postsecondary nondegree award	47-4011	Construction and Building Inspectors	-23	90.80%
Postsecondary nondegree award	47-4021	Elevator and Escalator Installers and Repairers	-5	90.57%
Postsecondary nondegree award	49-2011	Computer, Automated Teller, and Office Machine Repairers	-9	92.17%
Postsecondary nondegree award	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	-16	94.89%
Postsecondary nondegree award	49-2097	Audiovisual Equipment Installers and Repairers	-3	93.75%
Postsecondary nondegree award	49-2098	Security and Fire Alarm Systems Installers	-39	85.77%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-23	85.89%
Postsecondary nondegree award	49-3023	Automotive Service Technicians and Mechanics	-141	88.00%
Postsecondary nondegree award	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	-21	90.58%
Postsecondary nondegree award	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	-13	89.60%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-7	76.67%
Postsecondary nondegree award	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-1	94.12%
Postsecondary nondegree award	49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	-88	89.37%
Postsecondary nondegree award	49-9041	Industrial Machinery Mechanics	-14	90.85%
Postsecondary nondegree award	49-9051	Electrical Power-Line Installers and Repairers	-11	92.99%
Postsecondary nondegree award	51-4041	Machinists	-5	92.75%
Postsecondary nondegree award	51-4121	Welders, Cutters, Solderers, and Brazers	-19	86.43%
Postsecondary nondegree award	51-8021	Stationary Engineers and Boiler Operators	-1	93.33%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-22	85.14%
Postsecondary nondegree award	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	-27	88.31%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-396	72.19%

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Workforce Region 6 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-41	89.01%
Postsecondary nondegree award	31-1131	Nursing Assistants	-138	87.73%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-1	96.88%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-3	95.65%

* Consensus estimating conferences generally operate on the assumption that current law and current administrative practices will remain in effect throughout the period for which the official information developed by the conference is to be used. See s. 216.134(1), F.S. The Labor Market Estimating Conference (LMEC) follows this current law/current administration approach and assumes that all current material efforts by stakeholders to provide training or education will continue without significant interruption. The LMEC also assumes that lists adopted prior to the effective date of CS/CS/CS/HB 1507 (2021) and through June 30, 2022, that are used to guide those efforts will continue to be used unless or until further analysis adopted by the LMEC clearly indicates otherwise.

Workforce Region 7 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-159	72.82%
Postsecondary nondegree award	31-1131	Nursing Assistants	-340	71.92%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-3	88.00%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-12	84.21%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-132	91.57%

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Workforce Region 8 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	15-1231	Computer Network Support Specialists	-35	95.73%
Associate's degree	15-1257	Web Developers and Digital Interface Designers	-23	97.73%
Associate's degree	17-3011	Architectural and Civil Drafters	-17	96.71%
Associate's degree	17-3019	Drafters, All Other	-5	93.33%
Associate's degree	17-3023	Electrical and Electronic Engineering Technologists and Technicians	-31	96.27%
Associate's degree	17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	-1	96.55%
Associate's degree	17-3025	Environmental Engineering Technologists and Technicians	-8	94.70%
Associate's degree	17-3027	Mechanical Engineering Technologists and Technicians	-8	95.60%
Associate's degree	19-4031	Chemical Technicians	-14	93.10%
Associate's degree	23-2099	Legal Support Workers, All Other	-9	95.79%
Associate's degree	25-2011	Preschool Teachers, Except Special Education	-128	95.89%
Associate's degree	25-4031	Library Technicians	-2	98.84%
Associate's degree	27-3099	Media and Communication Workers, All Other	-6	89.47%
Associate's degree	27-4011	Audio and Video Technicians	-7	98.01%
Associate's degree	27-4014	Sound Engineering Technicians	-5	91.23%
Associate's degree	27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	-3	95.83%
Associate's degree	29-1126	Respiratory Therapists	-27	96.88%
Associate's degree	29-1292	Dental Hygienists	-37	95.95%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-186	75.56%
Associate's degree	29-2032	Diagnostic Medical Sonographers	-16	97.13%
Associate's degree	29-2033	Nuclear Medicine Technologists	-66	79.63%
Associate's degree	29-2034	Radiologic Technologists and Technicians	-50	95.90%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-51	83.06%
Associate's degree	31-2011	Occupational Therapy Assistants	-16	95.65%
Associate's degree	31-2021	Physical Therapist Assistants	-27	96.32%
Associate's degree	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	-15	97.11%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-219	93.87%
Associate's degree	35-1011	Chefs and Head Cooks	-43	95.26%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-10	89.47%
Associate's degree	43-3061	Procurement Clerks	-10	96.27%
Associate's degree	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-6	91.18%
Associate's degree	49-2091	Avionics Technicians	-25	94.03%
Associate's degree	49-3011	Aircraft Mechanics and Service Technicians	-89	95.99%
Associate's degree	51-8091	Chemical Plant and System Operators	-6	90.91%
Associate's degree	53-2021	Air Traffic Controllers	-8	98.40%
Associate's degree	53-6041	Traffic Technicians	-2	95.83%
Postsecondary nondegree award	13-1032	Insurance Appraisers, Auto Damage	-4	97.18%
Postsecondary nondegree award	15-1232	Computer User Support Specialists	-185	96.38%
Postsecondary nondegree award	19-5012	Occupational Health and Safety Technicians	-10	81.48%
Postsecondary nondegree award	27-3092	Court Reporters and Simultaneous Captioners	-3	97.50%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-73	93.13%
Postsecondary nondegree award	29-2052	Pharmacy Technicians	-97	96.82%
Postsecondary nondegree award	29-2055	Surgical Technologists	-24	96.32%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-3,469	62.57%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-10	86.30%
Postsecondary nondegree award	29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	-36	98.42%
Postsecondary nondegree award	29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	-6	96.74%
Postsecondary nondegree award	31-1131	Nursing Assistants	-5,441	61.71%
Postsecondary nondegree award	31-9091	Dental Assistants	-136	92.94%
Postsecondary nondegree award	31-9092	Medical Assistants	-372	93.56%
Postsecondary nondegree award	31-9097	Phlebotomists	-11	98.62%
Postsecondary nondegree award	33-9011	Animal Control Workers	-7	89.71%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-40	81.57%
Postsecondary nondegree award	39-5011	Barbers	-14	96.72%
Postsecondary nondegree award	39-5012	Hairdressers, Hairstylists, and Cosmetologists	-68	98.22%
Postsecondary nondegree award	39-5094	Skincare Specialists	-41	94.49%
Postsecondary nondegree award	39-9031	Exercise Trainers and Group Fitness Instructors	-104	95.22%
Postsecondary nondegree award	41-9021	Real Estate Brokers	-39	94.20%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-827	81.20%
Postsecondary nondegree award	47-2031	Carpenters	-73	98.64%
Postsecondary nondegree award	47-2111	Electricians	-238	94.41%
Postsecondary nondegree award	47-2152	Plumbers, Pipefitters, and Steamfitters	-187	94.36%
Postsecondary nondegree award	47-4011	Construction and Building Inspectors	-6	99.37%
Postsecondary nondegree award	47-4021	Elevator and Escalator Installers and Repairers	-7	94.02%
Postsecondary nondegree award	49-2097	Audiovisual Equipment Installers and Repairers	-9	94.27%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-57	93.98%
Postsecondary nondegree award	49-3023	Automotive Service Technicians and Mechanics	-199	96.19%
Postsecondary nondegree award	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	-47	97.62%
Postsecondary nondegree award	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	-2	99.73%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-15	91.94%
Postsecondary nondegree award	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-13	94.42%
Postsecondary nondegree award	49-9092	Commercial Divers	-14	90.41%
Postsecondary nondegree award	51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	-10	93.42%
Postsecondary nondegree award	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	-2	77.78%
Postsecondary nondegree award	51-4121	Welders, Cutters, Solderers, and Brazers	-67	94.99%
Postsecondary nondegree award	51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	-5	93.67%
Postsecondary nondegree award	51-8021	Stationary Engineers and Boiler Operators	-8	89.87%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-42	94.03%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-1,930	88.43%
Postsecondary nondegree award	53-5031	Ship Engineers	-18	98.41%

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Workforce Region 9 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	15-1231	Computer Network Support Specialists	-16	88.24%
Associate's degree	15-1257	Web Developers and Digital Interface Designers	-18	89.16%
Associate's degree	17-3011	Architectural and Civil Drafters	-13	86.17%
Associate's degree	17-3023	Electrical and Electronic Engineering Technologists and Technicians	-13	85.87%
Associate's degree	17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	-1	83.33%
Associate's degree	19-4010	Agricultural and Food Science Technicians	-1	87.50%
Associate's degree	19-4031	Chemical Technicians	-21	85.11%
Associate's degree	23-2011	Paralegals and Legal Assistants	-31	95.19%
Associate's degree	23-2099	Legal Support Workers, All Other	-5	89.80%
Associate's degree	25-2011	Preschool Teachers, Except Special Education	-55	87.24%
Associate's degree	25-4031	Library Technicians	-15	88.28%
Associate's degree	27-3099	Media and Communication Workers, All Other	-2	94.12%
Associate's degree	27-4011	Audio and Video Technicians	-11	87.21%
Associate's degree	29-1126	Respiratory Therapists	-40	88.34%
Associate's degree	29-1292	Dental Hygienists	-32	86.78%
Associate's degree	29-2010	Clinical Laboratory Technologists and Technicians	-34	93.49%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-69	68.78%
Associate's degree	29-2032	Diagnostic Medical Sonographers	-18	89.16%
Associate's degree	29-2033	Nuclear Medicine Technologists	-17	71.67%
Associate's degree	29-2034	Radiologic Technologists and Technicians	-55	87.64%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-25	77.27%
Associate's degree	29-2056	Veterinary Technologists and Technicians	-33	91.22%
Associate's degree	31-2011	Occupational Therapy Assistants	-4	92.59%
Associate's degree	31-2021	Physical Therapist Assistants	-17	87.77%
Associate's degree	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	-15	88.19%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-118	85.64%
Associate's degree	35-1011	Chefs and Head Cooks	-20	88.24%
Associate's degree	39-4011	Embalmers	-1	83.33%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-2	86.67%
Associate's degree	43-3061	Procurement Clerks	-14	84.95%
Associate's degree	49-2091	Avionics Technicians	-1	91.67%
Associate's degree	49-3011	Aircraft Mechanics and Service Technicians	-13	83.12%
Associate's degree	49-9062	Medical Equipment Repairers	-2	97.01%
Associate's degree	51-8091	Chemical Plant and System Operators	-1	92.31%
Associate's degree	53-2021	Air Traffic Controllers	-11	84.29%
Postsecondary nondegree award	13-2082	Tax Preparers	-2	95.92%
Postsecondary nondegree award	15-1232	Computer User Support Specialists	-105	87.86%
Postsecondary nondegree award	19-5012	Occupational Health and Safety Technicians	-1	87.50%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-39	85.50%
Postsecondary nondegree award	29-2052	Pharmacy Technicians	-75	87.96%
Postsecondary nondegree award	29-2053	Psychiatric Technicians	-28	95.86%
Postsecondary nondegree award	29-2055	Surgical Technologists	-32	88.15%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-849	52.73%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-16	78.67%
Postsecondary nondegree award	29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	-77	89.91%
Postsecondary nondegree award	29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	-4	92.86%
Postsecondary nondegree award	31-1131	Nursing Assistants	-1,979	51.94%
Postsecondary nondegree award	31-2022	Physical Therapist Aides	-4	95.24%
Postsecondary nondegree award	31-9091	Dental Assistants	-72	84.62%
Postsecondary nondegree award	31-9092	Medical Assistants	-162	85.43%
Postsecondary nondegree award	31-9097	Phlebotomists	-15	91.23%
Postsecondary nondegree award	33-2021	Fire Inspectors and Investigators	-2	92.00%
Postsecondary nondegree award	33-9011	Animal Control Workers	-1	88.89%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-14	69.57%
Postsecondary nondegree award	39-5011	Barbers	-9	86.15%
Postsecondary nondegree award	39-5012	Hairdressers, Hairstylists, and Cosmetologists	-67	89.51%
Postsecondary nondegree award	39-5094	Skincare Specialists	-5	90.20%
Postsecondary nondegree award	39-9031	Exercise Trainers and Group Fitness Instructors	-35	86.79%
Postsecondary nondegree award	41-3021	Insurance Sales Agents	-36	92.56%
Postsecondary nondegree award	41-9021	Real Estate Brokers	-16	84.31%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-367	69.00%
Postsecondary nondegree award	47-2031	Carpenters	-85	90.04%
Postsecondary nondegree award	47-2111	Electricians	-78	86.12%
Postsecondary nondegree award	47-2152	Plumbers, Pipefitters, and Steamfitters	-51	85.55%
Postsecondary nondegree award	47-4011	Construction and Building Inspectors	-21	89.86%
Postsecondary nondegree award	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	-4	98.86%
Postsecondary nondegree award	49-2098	Security and Fire Alarm Systems Installers	-10	89.47%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-18	86.36%
Postsecondary nondegree award	49-3023	Automotive Service Technicians and Mechanics	-125	87.75%
Postsecondary nondegree award	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	-29	87.71%
Postsecondary nondegree award	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	-12	93.06%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-5	75.00%
Postsecondary nondegree award	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-2	94.29%
Postsecondary nondegree award	49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	-45	92.92%
Postsecondary nondegree award	49-9041	Industrial Machinery Mechanics	-12	91.67%
Postsecondary nondegree award	51-4041	Machinists	-3	96.20%
Postsecondary nondegree award	51-4121	Welders, Cutters, Solderers, and Brazers	-18	85.83%
Postsecondary nondegree award	51-5111	Prepress Technicians and Workers	-5	93.15%
Postsecondary nondegree award	51-8021	Stationary Engineers and Boiler Operators	-1	92.86%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-23	86.78%
Postsecondary nondegree award	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	-19	91.70%
Postsecondary nondegree award	51-9082	Medical Appliance Technicians	-2	95.83%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-377	75.12%

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Workforce Region 10 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-149	91.00%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-1	96.88%
Postsecondary nondegree award	31-1131	Nursing Assistants	-352	89.84%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-5	94.25%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-42	93.38%

* Consensus estimating conferences generally operate on the assumption that current law and current administrative practices will remain in effect throughout the period for which the official information developed by the conference is to be used. See s. 216.134(1), F.S. The Labor Market Estimating Conference (LMEC) follows this current law/current administration approach and assumes that all current material efforts by stakeholders to provide training or education will continue without significant interruption. The LMEC also assumes that lists adopted prior to the effective date of CS/CS/CS/HB 1507 (2021) and through June 30, 2022, that are used to guide those efforts will continue to be used unless or until further analysis adopted by the LMEC clearly indicates otherwise.

Workforce Region 11 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-38	98.09%
Postsecondary nondegree award	31-1131	Nursing Assistants	-145	96.87%

* Consensus estimating conferences generally operate on the assumption that current law and current administrative practices will remain in effect throughout the period for which the official information developed by the conference is to be used. See s. 216.134(1), F.S. The Labor Market Estimating Conference (LMEC) follows this current law/current administration approach and assumes that all current material efforts by stakeholders to provide training or education will continue without significant interruption. The LMEC also assumes that lists adopted prior to the effective date of CS/CS/CS/HB 1507 (2021) and through June 30, 2022, that are used to guide those efforts will continue to be used unless or until further analysis adopted by the LMEC clearly indicates otherwise.

Workforce Region 12 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent
Associate's degree	11-9171	Funeral Home Managers	-2	98.28%
Associate's degree	15-1231	Computer Network Support Specialists	-168	89.49%
Associate's degree	15-1257	Web Developers and Digital Interface Designers	-140	91.15%
Associate's degree	17-3011	Architectural and Civil Drafters	-114	90.16%
Associate's degree	17-3013	Mechanical Drafters	-6	98.61%
Associate's degree	17-3019	Drafters, All Other	-22	84.40%
Associate's degree	17-3021	Aerospace Engineering and Operations Technologists and Technicians	-8	91.84%
Associate's degree	17-3022	Civil Engineering Technologists and Technicians	-40	94.41%
Associate's degree	17-3023	Electrical and Electronic Engineering Technologists and Technicians	-164	89.73%
Associate's degree	17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	-13	80.30%
Associate's degree	17-3025	Environmental Engineering Technologists and Technicians	-38	87.90%
Associate's degree	17-3027	Mechanical Engineering Technologists and Technicians	-42	88.43%
Associate's degree	19-4010	Agricultural and Food Science Technicians	-14	76.67%
Associate's degree	19-4031	Chemical Technicians	-37	86.97%
Associate's degree	19-4071	Forest and Conservation Technicians	-6	86.96%
Associate's degree	23-2011	Paralegals and Legal Assistants	-142	97.52%
Associate's degree	23-2099	Legal Support Workers, All Other	-50	89.06%
Associate's degree	25-2011	Preschool Teachers, Except Special Education	-631	88.07%
Associate's degree	25-4031	Library Technicians	-34	91.03%
Associate's degree	27-3099	Media and Communication Workers, All Other	-25	87.68%
Associate's degree	27-4011	Audio and Video Technicians	-241	91.84%
Associate's degree	27-4014	Sound Engineering Technicians	-34	89.76%
Associate's degree	27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	-24	88.52%
Associate's degree	29-1124	Radiation Therapists	-10	96.15%
Associate's degree	29-1126	Respiratory Therapists	-111	90.28%
Associate's degree	29-1292	Dental Hygienists	-178	89.54%
Associate's degree	29-2010	Clinical Laboratory Technologists and Technicians	-168	95.28%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-330	72.64%
Associate's degree	29-2032	Diagnostic Medical Sonographers	-109	90.80%
Associate's degree	29-2033	Nuclear Medicine Technologists	-112	76.62%
Associate's degree	29-2034	Radiologic Technologists and Technicians	-287	89.35%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-143	79.86%
Associate's degree	29-2051	Dietetic Technicians	-18	94.72%
Associate's degree	29-2056	Veterinary Technologists and Technicians	-66	93.78%
Associate's degree	31-2011	Occupational Therapy Assistants	-38	88.99%
Associate's degree	31-2021	Physical Therapist Assistants	-82	90.28%
Associate's degree	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	-59	90.48%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-789	87.45%
Associate's degree	35-1011	Chefs and Head Cooks	-400	88.75%
Associate's degree	39-4011	Embalmers	-8	85.45%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-26	83.75%
Associate's degree	43-3061	Procurement Clerks	-71	89.03%
Associate's degree	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-21	85.91%
Associate's degree	49-2091	Avionics Technicians	-43	87.46%
Associate's degree	49-3011	Aircraft Mechanics and Service Technicians	-342	89.54%
Associate's degree	49-9062	Medical Equipment Repairers	-6	99.00%
Associate's degree	51-8091	Chemical Plant and System Operators	-17	87.68%
Associate's degree	53-2021	Air Traffic Controllers	-7	96.98%
Associate's degree	53-6041	Traffic Technicians	-1	98.57%
Postsecondary nondegree award	13-1032	Insurance Appraisers, Auto Damage	-10	91.80%
Postsecondary nondegree award	13-2082	Tax Preparers	-44	93.83%
Postsecondary nondegree award	15-1232	Computer User Support Specialists	-824	89.86%
Postsecondary nondegree award	19-5012	Occupational Health and Safety Technicians	-17	81.32%
Postsecondary nondegree award	27-3092	Court Reporters and Simultaneous Captioners	-19	92.49%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-235	86.94%
Postsecondary nondegree award	29-2052	Pharmacy Technicians	-592	90.27%
Postsecondary nondegree award	29-2053	Psychiatric Technicians	-30	97.40%
Postsecondary nondegree award	29-2055	Surgical Technologists	-127	89.84%
Postsecondary nondegree award	29-2057	Ophthalmic Medical Technicians	-8	98.12%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-3,310	62.90%
Postsecondary nondegree award	29-2081	Opticians, Dispensing	-18	96.85%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-31	80.00%
Postsecondary nondegree award	29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	-291	91.75%
Postsecondary nondegree award	29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	-94	90.06%
Postsecondary nondegree award	31-1131	Nursing Assistants	-7,587	62.03%
Postsecondary nondegree award	31-9091	Dental Assistants	-491	86.53%
Postsecondary nondegree award	31-9092	Medical Assistants	-1,350	87.26%
Postsecondary nondegree award	31-9097	Phlebotomists	-103	91.69%
Postsecondary nondegree award	33-9011	Animal Control Workers	-17	85.22%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-76	79.68%
Postsecondary nondegree award	39-5011	Barbers	-194	89.99%
Postsecondary nondegree award	39-5012	Hairdressers, Hairstylists, and Cosmetologists	-551	91.55%
Postsecondary nondegree award	39-5091	Makeup Artists, Theatrical and Performance	-4	87.10%
Postsecondary nondegree award	39-5094	Skincare Specialists	-143	88.35%
Postsecondary nondegree award	39-9031	Exercise Trainers and Group Fitness Instructors	-485	88.84%
Postsecondary nondegree award	41-9021	Real Estate Brokers	-213	88.02%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-2,082	79.63%
Postsecondary nondegree award	47-2031	Carpenters	-885	91.89%
Postsecondary nondegree award	47-2111	Electricians	-970	88.05%
Postsecondary nondegree award	47-2152	Plumbers, Pipefitters, and Steamfitters	-747	87.91%
Postsecondary nondegree award	47-4011	Construction and Building Inspectors	-113	92.63%
Postsecondary nondegree award	47-4021	Elevator and Escalator Installers and Repairers	-49	87.50%
Postsecondary nondegree award	49-2011	Computer, Automated Teller, and Office Machine Repairers	-52	96.33%
Postsecondary nondegree award	49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	-8	84.62%
Postsecondary nondegree award	49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	-13	96.51%
Postsecondary nondegree award	49-2097	Audiovisual Equipment Installers and Repairers	-51	88.25%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-239	87.70%
Postsecondary nondegree award	49-3023	Automotive Service Technicians and Mechanics	-847	89.63%
Postsecondary nondegree award	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	-191	90.94%
Postsecondary nondegree award	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	-119	93.36%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-30	89.09%
Postsecondary nondegree award	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-29	87.22%
Postsecondary nondegree award	49-9041	Industrial Machinery Mechanics	-140	93.56%
Postsecondary nondegree award	49-9044	Millwrights	-1	98.96%
Postsecondary nondegree award	49-9051	Electrical Power-Line Installers and Repairers	-33	95.39%
Postsecondary nondegree award	49-9092	Commercial Divers	-19	82.57%
Postsecondary nondegree award	51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	-48	87.94%
Postsecondary nondegree award	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	-6	57.14%
Postsecondary nondegree award	51-4111	Tool and Die Makers	-1	99.15%
Postsecondary nondegree award	51-4121	Welders, Cutters, Solderers, and Brazers	-233	88.51%
Postsecondary nondegree award	51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	-12	85.71%
Postsecondary nondegree award	51-5111	Prepress Technicians and Workers	-1	99.66%
Postsecondary nondegree award	51-8021	Stationary Engineers and Boiler Operators	-12	82.09%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-128	87.87%
Postsecondary nondegree award	51-8099	Plant and System Operators, All Other	-1	99.24%
Postsecondary nondegree award	51-9082	Medical Appliance Technicians	-2	96.92%
Postsecondary nondegree award	53-2012	Commercial Pilots	-2	99.56%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-2,366	86.72%
Postsecondary nondegree award	53-5031	Ship Engineers	-8	81.40%

* Consensus estimating conferences generally operate on the assumption that current law and current administrative practices will remain in effect throughout the period for which the official information developed by the conference is to be used. See s. 216.134(1), F.S. The Labor Market Estimating Conference (LMEC) follows this current law/current administration approach and assumes that all current material efforts by stakeholders to provide training or education will continue without significant interruption. The LMEC also assumes that lists adopted prior to the effective date of CS/CS/CS/HB 1507 (2021) and through June 30, 2022, that are used to guide those efforts will continue to be used unless or until further analysis adopted by the LMEC clearly indicates otherwise.

Workforce Region 13 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	19-4031	Chemical Technicians	-2	97.22%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-63	82.15%
Associate's degree	29-2033	Nuclear Medicine Technologists	-17	86.29%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-18	88.75%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-4	93.44%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-373	81.45%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-5	82.14%
Postsecondary nondegree award	31-1131	Nursing Assistants	-845	80.37%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-12	84.62%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-257	83.84%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-3	94.12%
Postsecondary nondegree award	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	-1	83.33%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-163	91.28%

* Consensus estimating conferences generally operate on the assumption that current law and current administrative practices will remain in effect throughout the period for which the official information developed by the conference is to be used. See s. 216.134(1), F.S. The Labor Market Estimating Conference (LMEC) follows this current law/current administration approach and assumes that all current material efforts by stakeholders to provide training or education will continue without significant interruption. The LMEC also assumes that lists adopted prior to the effective date of CS/CS/CS/HB 1507 (2021) and through June 30, 2022, that are used to guide those efforts will continue to be used unless or until further analysis adopted by the LMEC clearly indicates otherwise.

Workforce Region 14 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-	Percent 2032
Associate's degree	15-1231	Computer Network Support Specialists	-53	89.29%
Associate's degree	15-1257	Web Developers and Digital Interface Designers	-47	90.66%
Associate's degree	17-3011	Architectural and Civil Drafters	-26	89.30%
Associate's degree	17-3019	Drafters, All Other	-3	91.18%
Associate's degree	17-3021	Aerospace Engineering and Operations Technologists and Technicians	-1	95.00%
Associate's degree	17-3023	Electrical and Electronic Engineering Technologists and Technicians	-37	89.86%
Associate's degree	17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	-4	83.33%
Associate's degree	17-3025	Environmental Engineering Technologists and Technicians	-1	96.00%
Associate's degree	17-3027	Mechanical Engineering Technologists and Technicians	-3	93.02%
Associate's degree	19-4010	Agricultural and Food Science Technicians	-2	84.62%
Associate's degree	19-4031	Chemical Technicians	-8	90.24%
Associate's degree	23-2011	Paralegals and Legal Assistants	-50	97.49%
Associate's degree	23-2099	Legal Support Workers, All Other	-8	91.84%
Associate's degree	25-2011	Preschool Teachers, Except Special Education	-330	88.24%
Associate's degree	25-4031	Library Technicians	-23	90.30%
Associate's degree	27-3099	Media and Communication Workers, All Other	-2	93.94%
Associate's degree	27-4011	Audio and Video Technicians	-20	90.34%
Associate's degree	27-4014	Sound Engineering Technicians	-3	93.48%
Associate's degree	27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	-2	94.74%
Associate's degree	29-1126	Respiratory Therapists	-36	90.58%
Associate's degree	29-1292	Dental Hygienists	-62	89.20%
Associate's degree	29-2010	Clinical Laboratory Technologists and Technicians	-70	95.26%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-74	71.65%
Associate's degree	29-2032	Diagnostic Medical Sonographers	-33	90.81%
Associate's degree	29-2033	Nuclear Medicine Technologists	-19	75.00%
Associate's degree	29-2034	Radiologic Technologists and Technicians	-67	89.37%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-35	78.92%
Associate's degree	29-2056	Veterinary Technologists and Technicians	-26	94.21%
Associate's degree	31-2011	Occupational Therapy Assistants	-14	90.67%
Associate's degree	31-2021	Physical Therapist Assistants	-36	89.92%
Associate's degree	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	-32	90.53%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-331	87.40%
Associate's degree	35-1011	Chefs and Head Cooks	-100	88.73%
Associate's degree	39-4011	Embalmers	-3	92.68%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-8	84.62%
Associate's degree	43-3061	Procurement Clerks	-14	90.21%
Associate's degree	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-4	90.48%
Associate's degree	49-2091	Avionics Technicians	-4	93.10%
Associate's degree	49-3011	Aircraft Mechanics and Service Technicians	-31	89.35%
Associate's degree	49-9062	Medical Equipment Repairers	-3	99.13%
Associate's degree	49-9081	Wind Turbine Service Technicians	-1	90.91%
Associate's degree	51-8091	Chemical Plant and System Operators	-6	88.68%
Associate's degree	53-2021	Air Traffic Controllers	-24	78.38%
Postsecondary nondegree award	13-1032	Insurance Appraisers, Auto Damage	-3	94.23%
Postsecondary nondegree award	13-2082	Tax Preparers	-21	93.14%
Postsecondary nondegree award	15-1232	Computer User Support Specialists	-318	89.76%
Postsecondary nondegree award	19-5012	Occupational Health and Safety Technicians	-4	87.10%
Postsecondary nondegree award	27-3092	Court Reporters and Simultaneous Captioners	-2	97.10%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-102	87.06%
Postsecondary nondegree award	29-2052	Pharmacy Technicians	-229	90.23%
Postsecondary nondegree award	29-2053	Psychiatric Technicians	-7	96.09%
Postsecondary nondegree award	29-2055	Surgical Technologists	-33	89.85%
Postsecondary nondegree award	29-2057	Ophthalmic Medical Technicians	-8	98.03%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-1,642	65.64%
Postsecondary nondegree award	29-2081	Opticians, Dispensing	-12	96.92%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-10	81.48%
Postsecondary nondegree award	29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	-105	91.73%
Postsecondary nondegree award	29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	-8	91.92%
Postsecondary nondegree award	31-1131	Nursing Assistants	-3,694	64.77%
Postsecondary nondegree award	31-9091	Dental Assistants	-125	86.28%
Postsecondary nondegree award	31-9092	Medical Assistants	-490	87.17%
Postsecondary nondegree award	31-9097	Phlebotomists	-28	91.79%
Postsecondary nondegree award	33-2021	Fire Inspectors and Investigators	-9	84.48%
Postsecondary nondegree award	33-9011	Animal Control Workers	-3	86.96%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-58	65.06%
Postsecondary nondegree award	39-5011	Barbers	-29	90.00%
Postsecondary nondegree award	39-5012	Hairdressers, Hairstylists, and Cosmetologists	-366	91.47%
Postsecondary nondegree award	39-5091	Makeup Artists, Theatrical and Performance	-1	87.50%
Postsecondary nondegree award	39-5094	Skincare Specialists	-32	87.15%
Postsecondary nondegree award	39-9031	Exercise Trainers and Group Fitness Instructors	-179	88.76%
Postsecondary nondegree award	41-3021	Insurance Sales Agents	-525	86.64%
Postsecondary nondegree award	41-9021	Real Estate Brokers	-41	88.01%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-1,117	64.73%
Postsecondary nondegree award	47-2031	Carpenters	-229	91.86%
Postsecondary nondegree award	47-2111	Electricians	-258	88.05%
Postsecondary nondegree award	47-2152	Plumbers, Pipefitters, and Steamfitters	-220	87.73%
Postsecondary nondegree award	47-4011	Construction and Building Inspectors	-29	92.75%
Postsecondary nondegree award	47-4021	Elevator and Escalator Installers and Repairers	-5	90.00%
Postsecondary nondegree award	49-2011	Computer, Automated Teller, and Office Machine Repairers	-18	96.56%
Postsecondary nondegree award	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	-66	92.83%
Postsecondary nondegree award	49-2097	Audiovisual Equipment Installers and Repairers	-13	90.30%
Postsecondary nondegree award	49-2098	Security and Fire Alarm Systems Installers	-45	84.27%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-85	87.50%
Postsecondary nondegree award	49-3023	Automotive Service Technicians and Mechanics	-255	89.54%
Postsecondary nondegree award	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	-44	90.87%
Postsecondary nondegree award	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	-22	93.06%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-34	73.64%
Postsecondary nondegree award	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-4	93.44%
Postsecondary nondegree award	49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	-310	87.26%
Postsecondary nondegree award	49-9041	Industrial Machinery Mechanics	-42	93.30%
Postsecondary nondegree award	49-9051	Electrical Power-Line Installers and Repairers	-14	95.14%
Postsecondary nondegree award	49-9092	Commercial Divers	-2	86.67%
Postsecondary nondegree award	51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	-3	90.91%
Postsecondary nondegree award	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	-2	71.43%
Postsecondary nondegree award	51-4041	Machinists	-128	90.11%
Postsecondary nondegree award	51-4121	Welders, Cutters, Solderers, and Brazers	-139	88.46%
Postsecondary nondegree award	51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	-3	91.67%
Postsecondary nondegree award	51-8021	Stationary Engineers and Boiler Operators	-2	88.24%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-163	87.58%
Postsecondary nondegree award	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	-271	86.25%
Postsecondary nondegree award	51-9082	Medical Appliance Technicians	-1	98.46%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-1,063	70.50%

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Workforce Region 15 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent
Associate's degree	11-9171	Funeral Home Managers	-4	90.00%
Associate's degree	15-1231	Computer Network Support Specialists	-131	88.24%
Associate's degree	15-1257	Web Developers and Digital Interface Designers	-151	89.62%
Associate's degree	17-3011	Architectural and Civil Drafters	-179	88.69%
Associate's degree	17-3012	Electrical and Electronics Drafters	-3	95.00%
Associate's degree	17-3013	Mechanical Drafters	-5	97.88%
Associate's degree	17-3019	Drafters, All Other	-21	83.85%
Associate's degree	17-3021	Aerospace Engineering and Operations Technologists and Technicians	-6	86.05%
Associate's degree	17-3022	Civil Engineering Technologists and Technicians	-43	93.00%
Associate's degree	17-3023	Electrical and Electronic Engineering Technologists and Technicians	-67	88.81%
Associate's degree	17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	-6	82.86%
Associate's degree	17-3025	Environmental Engineering Technologists and Technicians	-18	86.86%
Associate's degree	17-3027	Mechanical Engineering Technologists and Technicians	-9	88.61%
Associate's degree	19-4010	Agricultural and Food Science Technicians	-10	74.36%
Associate's degree	19-4031	Chemical Technicians	-26	86.17%
Associate's degree	23-2011	Paralegals and Legal Assistants	-171	96.05%
Associate's degree	23-2099	Legal Support Workers, All Other	-28	87.56%
Associate's degree	25-2011	Preschool Teachers, Except Special Education	-315	86.22%
Associate's degree	25-4031	Library Technicians	-30	90.26%
Associate's degree	27-3099	Media and Communication Workers, All Other	-14	87.83%
Associate's degree	27-4011	Audio and Video Technicians	-38	90.75%
Associate's degree	27-4014	Sound Engineering Technicians	-8	88.41%
Associate's degree	27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	-27	88.61%
Associate's degree	29-1124	Radiation Therapists	-4	94.44%
Associate's degree	29-1126	Respiratory Therapists	-89	88.90%
Associate's degree	29-1292	Dental Hygienists	-113	88.14%
Associate's degree	29-2010	Clinical Laboratory Technologists and Technicians	-192	93.94%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-181	73.07%
Associate's degree	29-2032	Diagnostic Medical Sonographers	-49	89.73%
Associate's degree	29-2033	Nuclear Medicine Technologists	-30	77.44%
Associate's degree	29-2034	Radiologic Technologists and Technicians	-139	88.17%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-100	80.73%
Associate's degree	29-2051	Dietetic Technicians	-6	93.41%
Associate's degree	29-2056	Veterinary Technologists and Technicians	-56	91.97%
Associate's degree	31-2011	Occupational Therapy Assistants	-33	87.73%
Associate's degree	31-2021	Physical Therapist Assistants	-64	88.57%
Associate's degree	33-1021	First-Line Supervisors of Firefighting and Prevention Workers	-33	89.35%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-412	86.17%
Associate's degree	35-1011	Chefs and Head Cooks	-101	87.55%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-13	84.15%
Associate's degree	43-3061	Procurement Clerks	-50	87.95%
Associate's degree	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-12	86.52%
Associate's degree	49-2091	Avionics Technicians	-18	85.71%
Associate's degree	49-3011	Aircraft Mechanics and Service Technicians	-96	88.09%
Associate's degree	49-9062	Medical Equipment Repairers	-13	97.53%
Associate's degree	51-8091	Chemical Plant and System Operators	-38	85.16%
Associate's degree	53-2021	Air Traffic Controllers	-22	90.09%
Associate's degree	53-6041	Traffic Technicians	-6	97.65%
Postsecondary nondegree award	13-1032	Insurance Appraisers, Auto Damage	-58	90.03%
Postsecondary nondegree award	13-2082	Tax Preparers	-76	92.37%
Postsecondary nondegree award	15-1232	Computer User Support Specialists	-768	88.47%
Postsecondary nondegree award	19-5012	Occupational Health and Safety Technicians	-14	74.07%
Postsecondary nondegree award	27-3092	Court Reporters and Simultaneous Captioners	-33	90.24%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-185	85.63%
Postsecondary nondegree award	29-2052	Pharmacy Technicians	-256	88.82%
Postsecondary nondegree award	29-2053	Psychiatric Technicians	-26	96.41%
Postsecondary nondegree award	29-2055	Surgical Technologists	-92	88.51%
Postsecondary nondegree award	29-2057	Ophthalmic Medical Technicians	-9	96.07%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-1,482	67.13%
Postsecondary nondegree award	29-2081	Opticians, Dispensing	-14	95.10%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-52	81.09%
Postsecondary nondegree award	29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	-216	90.39%
Postsecondary nondegree award	29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, and Healthcare Practitioners and Technical Workers, All Other	-20	88.95%
Postsecondary nondegree award	31-1131	Nursing Assistants	-2,777	66.22%
Postsecondary nondegree award	31-9091	Dental Assistants	-222	85.35%
Postsecondary nondegree award	31-9092	Medical Assistants	-639	85.96%
Postsecondary nondegree award	31-9097	Phlebotomists	-73	90.33%
Postsecondary nondegree award	33-2021	Fire Inspectors and Investigators	-2	97.14%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-50	74.62%
Postsecondary nondegree award	39-5011	Barbers	-46	88.83%
Postsecondary nondegree award	39-5012	Hairdressers, Hairstylists, and Cosmetologists	-363	90.14%
Postsecondary nondegree award	39-5091	Makeup Artists, Theatrical and Performance	-1	92.31%
Postsecondary nondegree award	39-5094	Skincare Specialists	-47	86.65%
Postsecondary nondegree award	39-9031	Exercise Trainers and Group Fitness Instructors	-181	87.43%
Postsecondary nondegree award	41-3021	Insurance Sales Agents	-42	99.33%
Postsecondary nondegree award	41-9021	Real Estate Brokers	-75	86.39%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-1,457	74.21%
Postsecondary nondegree award	47-2031	Carpenters	-476	90.55%
Postsecondary nondegree award	47-2111	Electricians	-642	86.70%
Postsecondary nondegree award	47-2152	Plumbers, Pipefitters, and Steamfitters	-313	86.58%
Postsecondary nondegree award	47-4011	Construction and Building Inspectors	-83	91.19%
Postsecondary nondegree award	47-4021	Elevator and Escalator Installers and Repairers	-14	87.16%
Postsecondary nondegree award	49-2011	Computer, Automated Teller, and Office Machine Repairers	-24	95.28%
Postsecondary nondegree award	49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	-4	95.88%
Postsecondary nondegree award	49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	-2	95.35%
Postsecondary nondegree award	49-2097	Audiovisual Equipment Installers and Repairers	-24	87.56%
Postsecondary nondegree award	49-2098	Security and Fire Alarm Systems Installers	-42	96.29%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-100	86.21%
Postsecondary nondegree award	49-3023	Automotive Service Technicians and Mechanics	-566	88.25%
Postsecondary nondegree award	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	-199	89.61%
Postsecondary nondegree award	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	-72	92.03%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-24	83.89%
Postsecondary nondegree award	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-36	86.67%
Postsecondary nondegree award	49-9041	Industrial Machinery Mechanics	-100	92.25%
Postsecondary nondegree award	49-9044	Millwrights	-4	92.31%
Postsecondary nondegree award	49-9051	Electrical Power-Line Installers and Repairers	-16	94.81%
Postsecondary nondegree award	49-9092	Commercial Divers	-5	85.71%
Postsecondary nondegree award	51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	-10	81.82%
Postsecondary nondegree award	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	-1	83.33%
Postsecondary nondegree award	51-4111	Tool and Die Makers	-5	91.23%
Postsecondary nondegree award	51-4121	Welders, Cutters, Solderers, and Brazers	-185	87.35%
Postsecondary nondegree award	51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	-10	78.72%
Postsecondary nondegree award	51-5111	Prepress Technicians and Workers	-5	89.58%
Postsecondary nondegree award	51-8021	Stationary Engineers and Boiler Operators	-11	76.60%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-64	86.24%
Postsecondary nondegree award	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	-18	98.95%
Postsecondary nondegree award	51-9082	Medical Appliance Technicians	-7	88.14%
Postsecondary nondegree award	53-2012	Commercial Pilots	-3	98.27%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-2,637	80.82%
Postsecondary nondegree award	53-5031	Ship Engineers	-26	90.19%

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Workforce Region 16 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met

No critical undersupply occupations have been identified for this region.

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Workforce Region 17 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-4	97.18%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-347	85.52%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-2	92.86%
Postsecondary nondegree award	31-1131	Nursing Assistants	-727	84.45%
Postsecondary nondegree award	47-4021	Elevator and Escalator Installers and Repairers	-1	97.62%

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Workforce Region 18 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	17-3019	Drafters, All Other	-2	94.74%
Associate's degree	19-4031	Chemical Technicians	-5	90.20%
Associate's degree	23-2099	Legal Support Workers, All Other	-4	91.84%
Associate's degree	25-2011	Preschool Teachers, Except Special Education	-27	97.04%
Associate's degree	27-4014	Sound Engineering Technicians	-3	93.88%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-38	88.76%
Associate's degree	29-2033	Nuclear Medicine Technologists	-5	91.67%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-1	99.39%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-8	84.31%
Associate's degree	49-2091	Avionics Technicians	-1	97.30%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-3	99.43%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-783	79.79%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-1	97.44%
Postsecondary nondegree award	31-1131	Nursing Assistants	-1,660	78.74%
Postsecondary nondegree award	31-9091	Dental Assistants	-8	99.04%
Postsecondary nondegree award	31-9092	Medical Assistants	-10	99.60%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-22	87.57%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-278	86.73%
Postsecondary nondegree award	47-4021	Elevator and Escalator Installers and Repairers	-1	98.48%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-1	98.97%
Postsecondary nondegree award	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-3	94.55%
Postsecondary nondegree award	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	-1	75.00%
Postsecondary nondegree award	51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	-4	91.30%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-167	94.50%

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Workforce Region 19 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-2	99.59%
Postsecondary nondegree award	31-1131	Nursing Assistants	-19	98.14%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-4	85.71%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-27	86.08%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-98	93.85%

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Workforce Region 20 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-42	98.39%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-2	93.10%
Postsecondary nondegree award	31-1131	Nursing Assistants	-112	97.12%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-16	98.92%

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Workforce Region 21 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	17-3019	Drafters, All Other	-2	96.36%
Associate's degree	19-4031	Chemical Technicians	-7	96.89%
Associate's degree	25-2011	Preschool Teachers, Except Special Education	-70	96.22%
Associate's degree	27-3099	Media and Communication Workers, All Other	-4	94.59%
Associate's degree	27-4014	Sound Engineering Technicians	-2	97.62%
Associate's degree	27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	-3	96.00%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-67	86.76%
Associate's degree	29-2033	Nuclear Medicine Technologists	-7	92.78%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-15	95.56%
Associate's degree	31-2011	Occupational Therapy Assistants	-1	99.56%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-56	98.40%
Associate's degree	35-1011	Chefs and Head Cooks	-3	99.67%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-9	88.46%
Associate's degree	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-1	98.11%
Associate's degree	49-2091	Avionics Technicians	-1	99.34%
Associate's degree	53-2021	Air Traffic Controllers	-4	95.40%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-16	97.86%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-743	84.67%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-3	95.65%
Postsecondary nondegree award	31-1131	Nursing Assistants	-1522	83.52%
Postsecondary nondegree award	31-9091	Dental Assistants	-40	97.43%
Postsecondary nondegree award	31-9092	Medical Assistants	-103	98.16%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-85	79.37%
Postsecondary nondegree award	39-5091	Makeup Artists, Theatrical and Performance	-1	96.00%
Postsecondary nondegree award	39-5094	Skincare Specialists	-7	99.28%
Postsecondary nondegree award	39-9031	Exercise Trainers and Group Fitness Instructors	-3	99.82%
Postsecondary nondegree award	41-9021	Real Estate Brokers	-7	98.94%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-1186	78.95%
Postsecondary nondegree award	47-2111	Electricians	-45	99.08%
Postsecondary nondegree award	47-2152	Plumbers, Pipefitters, and Steamfitters	-26	98.90%
Postsecondary nondegree award	47-4021	Elevator and Escalator Installers and Repairers	-4	95.70%
Postsecondary nondegree award	49-2097	Audiovisual Equipment Installers and Repairers	-1	99.30%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-10	98.54%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-19	89.08%
Postsecondary nondegree award	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-1	99.08%
Postsecondary nondegree award	51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	-4	98.63%
Postsecondary nondegree award	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	-2	71.43%
Postsecondary nondegree award	51-4121	Welders, Cutters, Solderers, and Brazers	-6	99.34%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-5	98.90%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-911	85.97%

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Workforce Region 22 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-87	80.58%
Associate's degree	29-2033	Nuclear Medicine Technologists	-22	84.40%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-58	89.88%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-7	93.64%
Associate's degree	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-2	97.87%
Associate's degree	53-2021	Air Traffic Controllers	-4	96.26%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-1,120	79.12%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-11	89.22%
Postsecondary nondegree award	31-1131	Nursing Assistants	-2,034	78.06%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-100	79.84%
Postsecondary nondegree award	39-5091	Makeup Artists, Theatrical and Performance	-2	90.91%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-1,364	79.30%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-155	89.79%
Postsecondary nondegree award	51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	-1	99.07%
Postsecondary nondegree award	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	-2	71.43%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-1,457	86.37%

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Workforce Region 23 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	17-3019	Drafters, All Other	-6	94.29%
Associate's degree	17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	-1	97.37%
Associate's degree	17-3027	Mechanical Engineering Technologists and Technicians	-4	95.60%
Associate's degree	19-4010	Agricultural and Food Science Technicians	-2	95.35%
Associate's degree	19-4031	Chemical Technicians	-1	99.72%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-234	81.08%
Associate's degree	29-2033	Nuclear Medicine Technologists	-50	86.45%
Associate's degree	29-2035	Magnetic Resonance Imaging Technologists	-54	88.91%
Associate's degree	33-3051	Police and Sheriff's Patrol Officers	-27	99.63%
Associate's degree	39-4031	Morticians, Undertakers, and Funeral Arrangers	-10	93.55%
Associate's degree	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-6	94.64%
Associate's degree	49-2091	Avionics Technicians	-1	99.77%
Associate's degree	51-8091	Chemical Plant and System Operators	-5	95.05%
Associate's degree	53-2021	Air Traffic Controllers	-42	93.97%
Postsecondary nondegree award	19-5012	Occupational Health and Safety Technicians	-2	96.88%
Postsecondary nondegree award	29-2040	Emergency Medical Technicians and Paramedics	-20	98.95%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-1,368	81.25%
Postsecondary nondegree award	29-2092	Hearing Aid Specialists	-12	91.95%
Postsecondary nondegree award	31-1131	Nursing Assistants	-2,762	80.14%
Postsecondary nondegree award	31-9091	Dental Assistants	-66	98.55%
Postsecondary nondegree award	31-9092	Medical Assistants	-46	99.39%
Postsecondary nondegree award	33-9011	Animal Control Workers	-1	98.75%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-181	77.76%
Postsecondary nondegree award	39-5091	Makeup Artists, Theatrical and Performance	-4	88.89%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-2,053	77.40%
Postsecondary nondegree award	49-3021	Automotive Body and Related Repairers	-4	99.72%
Postsecondary nondegree award	49-3051	Motorboat Mechanics and Service Technicians	-54	87.35%
Postsecondary nondegree award	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	-1	99.60%
Postsecondary nondegree award	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	-5	44.44%
Postsecondary nondegree award	51-8021	Stationary Engineers and Boiler Operators	-2	97.14%
Postsecondary nondegree award	51-8031	Water and Wastewater Treatment Plant and System Operators	-3	99.71%
Postsecondary nondegree award	53-3032	Heavy and Tractor-Trailer Truck Drivers	-2,842	84.30%

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Workforce Region 24 Critical Undersupply: Associate's Degrees and Postsecondary Nondegree Awards*

Educational Requirement	Occupational Code	Occupational Title	Undersupply FY 2031-2032	Percent 2032 Demand Met
Associate's degree	27-3099	Media and Communication Workers, All Other	-1	97.67%
Associate's degree	27-4014	Sound Engineering Technicians	-1	97.87%
Associate's degree	27-4098	Lighting Technicians and Media and Communication Equipment Workers, All Other	-1	97.67%
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	-13	95.17%
Associate's degree	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	-1	98.08%
Associate's degree	51-8091	Chemical Plant and System Operators	-4	91.67%
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	-713	84.47%
Postsecondary nondegree award	31-1131	Nursing Assistants	-1,465	83.35%
Postsecondary nondegree award	35-2013	Cooks, Private Household	-22	93.39%
Postsecondary nondegree award	41-9022	Real Estate Sales Agents	-374	93.00%

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