

## Summary of Results

<b>Local Workforce Development Boards</b>		<b>Occupational Areas of Concern</b>
Workforce Region 1	CareerSource Escarosa	45
Workforce Region 2	CareerSource Okaloosa Walton	52
Workforce Region 3	CareerSource Chipola	7
Workforce Region 4	CareerSource Gulf Coast	11
Workforce Region 5	CareerSource Capital Region	26
Workforce Region 6	CareerSource North Florida	12
Workforce Region 8	CareerSource Northeast Florida	152
Workforce Region 10	CareerSource Citrus Levy Marion	36
Workforce Region 12	CareerSource Central Florida	244
Workforce Region 16	CareerSource Pasco Hernando	94
Workforce Region 17	CareerSource Polk	167
Workforce Region 18	CareerSource Suncoast	121
Workforce Region 19	CareerSource Heartland	8
Workforce Region 20	CareerSource Research Coast	85
Workforce Region 21	CareerSource Palm Beach County	59
Workforce Region 22	CareerSource Broward	62
Workforce Region 23	CareerSource South Florida	69
Workforce Region 24	CareerSource Southwest Florida	122
Workforce Region 26	CareerSource North Central Florida	43
Workforce Region 27	CareerSource Brevard Flagler Volusia	68
Workforce Region 28	CareerSource Hillsborough Pinellas	84

**Workforce Region 1 - Occupational Areas of Concern by Educational Requirement**

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>	
<b>No formal educational credential</b>	35-9099	Food Preparation and Serving Related Workers, All Other	
	51-3022	Meat, Poultry, and Fish Cutters and Trimmers	
	51-3023	Slaughterers and Meat Packers	
<b>High school diploma or equivalent</b>	31-1120	Home Health and Personal Care Aides	
	39-4021	Funeral Attendants	
	39-7010	Tour and Travel Guides	
	47-4051	Highway Maintenance Workers	
	47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	
	51-2031	Engine and Other Machine Assemblers	
	51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	
<b>Some college, no degree</b>	53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	
	39-9041	Residential Advisors	
<b>Postsecondary nondegree award</b>	29-2061	Licensed Practical and Licensed Vocational Nurses	
	31-1131	Nursing Assistants	
	35-2013	Cooks, Private Household	
	51-4111	Tool and Die Makers	
	51-8021	Stationary Engineers and Boiler Operators	
<b>Associate's degree</b>	19-4071	Forest and Conservation Technicians	
	29-2031	Cardiovascular Technologists and Technicians	
	29-2033	Nuclear Medicine Technologists	
	29-2035	Magnetic Resonance Imaging Technologists	
	49-9081	Wind Turbine Service Technicians	
<b>Bachelor's degree</b>	17-2041	Chemical Engineers	
	17-2171	Petroleum Engineers	
	19-2042	Geoscientists, Except Hydrologists and Geographers	
	21-2021	Directors, Religious Activities and Education	
	21-2099	Religious Workers, All Other	
	25-2057	Special Education Teachers, Middle School	
	25-4013	Museum Technicians and Conservators	
	25-9099	Educational Instruction and Library Workers, All Other	
	29-1125	Recreational Therapists	
	29-1141	Registered Nurses	
	43-9111	Statistical Assistants	
	<b>Master's degree</b>	15-2041	Statisticians
		19-1022	Microbiologists
19-3094		Political Scientists	
21-2011		Clergy	
29-1071		Physician Assistants	
29-1151		Nurse Anesthetists	
<b>Doctoral or professional degree</b>	29-1171	Nurse Practitioners	
	19-2012	Physicists	
	25-1041	Agricultural Sciences Teachers, Postsecondary	
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
	25-1113	Social Work Teachers, Postsecondary	
29-1215	Family Medicine Physicians		

**Workforce Region 2 - Occupational Areas of Concern by Educational Requirement**

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>	
<b>No formal educational credential High school diploma or equivalent</b>	35-9099	Food Preparation and Serving Related Workers, All Other	
	11-9131	Postmasters and Mail Superintendents	
	31-1120	Home Health and Personal Care Aides	
	43-5011	Cargo and Freight Agents	
	47-2221	Structural Iron and Steel Workers	
	47-4051	Highway Maintenance Workers	
	47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	
	49-9069	Precision Instrument and Equipment Repairers, All Other	
	51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	
	41-3011	Advertising Sales Agents	
<b>Some college, no degree Postsecondary nondegree award</b>	29-2042	Emergency Medical Technicians	
	29-2061	Licensed Practical and Licensed Vocational Nurses	
	31-1131	Nursing Assistants	
	31-9094	Medical Transcriptionists	
	35-2013	Cooks, Private Household	
	51-4111	Tool and Die Makers	
	51-8021	Stationary Engineers and Boiler Operators	
	51-9161	Computer Numerically Controlled Tool Operators	
	17-3021	Aerospace Engineering and Operations Technologists and Technicians	
	17-3026	Industrial Engineering Technologists and Technicians	
<b>Associate's degree</b>	17-3027	Mechanical Engineering Technologists and Technicians	
	19-4071	Forest and Conservation Technicians	
	29-2031	Cardiovascular Technologists and Technicians	
	29-2033	Nuclear Medicine Technologists	
	29-2035	Magnetic Resonance Imaging Technologists	
	<b>Bachelor's degree</b>	17-2041	Chemical Engineers
		17-2151	Mining and Geological Engineers, Including Mining Safety Engineers
		17-2161	Nuclear Engineers
		17-2171	Petroleum Engineers
		19-2031	Chemists
19-2099		Physical Scientists, All Other	
19-4021		Biological Technicians	
21-2021		Directors, Religious Activities and Education	
25-2057		Special Education Teachers, Middle School	
25-4013		Museum Technicians and Conservators	
<b>Master's degree</b>	27-1011	Art Directors	
	27-3041	Editors	
	29-1141	Registered Nurses	
	33-9021	Private Detectives and Investigators	
	43-9111	Statistical Assistants	
	11-9039	Education Administrators, All Other	
	15-2041	Statisticians	
	19-1022	Microbiologists	
	19-3094	Political Scientists	
	21-2011	Clergy	
<b>Doctoral or professional degree</b>	29-1071	Physician Assistants	
	29-1151	Nurse Anesthetists	
	29-1171	Nurse Practitioners	
	19-2012	Physicists	
	19-3033	Clinical and Counseling Psychologists	
	25-1022	Mathematical Science Teachers, Postsecondary	
29-1215	Family Medicine Physicians		

**Workforce Region 3 - Occupational Areas of Concern by Educational Requirement**

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>
<b>High school diploma or equivalent</b>	11-9131	Postmasters and Mail Superintendents
	31-1120	Home Health and Personal Care Aides
	45-4023	Log Graders and Scalers
	47-4051	Highway Maintenance Workers
<b>Postsecondary nondegree award</b>	51-8021	Stationary Engineers and Boiler Operators
<b>Associate's degree</b>	19-4071	Forest and Conservation Technicians
<b>Bachelor's degree</b>	21-2021	Directors, Religious Activities and Education

**Workforce Region 4 - Occupational Areas of Concern by Educational Requirement**

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>
<b>High school diploma or equivalent</b>	31-1120	Home Health and Personal Care Aides
	47-4051	Highway Maintenance Workers
<b>Postsecondary nondegree award</b>	35-2013	Cooks, Private Household
	51-8021	Stationary Engineers and Boiler Operators
<b>Associate's degree</b>	19-4071	Forest and Conservation Technicians
	29-2035	Magnetic Resonance Imaging Technologists
<b>Bachelor's degree</b>	17-2041	Chemical Engineers
	19-2042	Geoscientists, Except Hydrologists and Geographers
	21-2021	Directors, Religious Activities and Education
<b>Master's degree</b>	29-1151	Nurse Anesthetists
<b>Doctoral or professional degree</b>	19-2012	Physicists

**Workforce Region 5 - Occupational Areas of Concern by Educational Requirement**

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>	
<b>High school diploma or equivalent</b>	11-9131	Postmasters and Mail Superintendents	
	31-1120	Home Health and Personal Care Aides	
	47-4051	Highway Maintenance Workers	
	47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	
<b>Some college, no degree</b>	33-2022	Forest Fire Inspectors and Prevention Specialists	
	35-2013	Cooks, Private Household	
<b>Postsecondary nondegree award</b>	45-4011	Forest and Conservation Workers	
	51-8021	Stationary Engineers and Boiler Operators	
	19-4071	Forest and Conservation Technicians	
<b>Associate's degree</b>	29-2035	Magnetic Resonance Imaging Technologists	
	17-2041	Chemical Engineers	
<b>Bachelor's degree</b>	17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	
	17-2171	Petroleum Engineers	
	19-1099	Life Scientists, All Other	
	21-2021	Directors, Religious Activities and Education	
	29-1125	Recreational Therapists	
	43-9111	Statistical Assistants	
	<b>Master's degree</b>	19-1022	Microbiologists
		25-4011	Archivists
		19-2012	Physicists
	<b>Doctoral or professional degree</b>	25-1041	Agricultural Sciences Teachers, Postsecondary
25-1053		Environmental Science Teachers, Postsecondary	
25-1062		Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
25-1067		Sociology Teachers, Postsecondary	
25-1113		Social Work Teachers, Postsecondary	
25-1193		Recreation and Fitness Studies Teachers, Postsecondary	

**Workforce Region 6 - Occupational Areas of Concern by Educational Requirement**

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>
<b>No formal educational credential</b>	51-3023	Slaughterers and Meat Packers
	11-9131	Postmasters and Mail Superintendents
<b>High school diploma or equivalent</b>	31-1120	Home Health and Personal Care Aides
	45-4021	Fallers
	45-4023	Log Graders and Scalers
	47-4051	Highway Maintenance Workers
	51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders
	35-2013	Cooks, Private Household
<b>Postsecondary nondegree award</b>	45-4011	Forest and Conservation Workers
	51-8021	Stationary Engineers and Boiler Operators
	19-4071	Forest and Conservation Technicians
<b>Associate's degree</b>	17-2041	Chemical Engineers

Workforce Region 8 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
<b>No formal educational credential</b>	35-9099	Food Preparation and Serving Related Workers, All Other	
	45-2041	Graders and Sorters, Agricultural Products	
	45-2091	Agricultural Equipment Operators	
	47-3016	Helpers--Roofers	
	51-3022	Meat, Poultry, and Fish Cutters and Trimmers	
	51-3023	Slaughtering and Meat Packers	
	51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	
	51-3099	Food Processing Workers, All Other	
	51-6051	Sewers, Hand	
	51-9031	Cutters and Trimmers, Hand	
	<b>High school diploma or equivalent</b>	27-2031	Dancers
31-1120		Home Health and Personal Care Aides	
33-3041		Parking Enforcement Workers	
39-3093		Locker Room, Coatroom, and Dressing Room Attendants	
39-4012		Crematory Operators	
39-7010		Tour and Travel Guides	
41-9012		Models	
43-2099		Communications Equipment Operators, All Other	
43-4021		Correspondence Clerks	
45-1011		First-Line Supervisors of Farming, Fishing, and Forestry Workers	
45-4023		Log Graders and Scalers	
47-2022		Stonemasons	
47-4051		Highway Maintenance Workers	
47-4061		Rail-Track Laying and Maintenance Equipment Operators	
47-5032		Explosives Workers, Ordnance Handling Experts, and Blasters	
49-3043		Rail Car Repairers	
49-3091		Bicycle Repairers	
49-9063		Musical Instrument Repairers and Tuners	
49-9069		Precision Instrument and Equipment Repairers, All Other	
51-2021		Coil Winders, Tapers, and Finishers	
51-2031		Engine and Other Machine Assemblers	
51-4021		Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	
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	
51-4032		Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-4033		Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-4034		Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-4051		Metal-Refining Furnace Operators and Tenders	
51-4071		Foundry Mold and Coremakers	
51-4072		Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	
51-4194		Tool Grinders, Filers, and Sharpeners	
51-6063		Textile Knitting and Weaving Machine Setters, Operators, and Tenders	
51-6064		Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	
51-6099		Textile, Apparel, and Furnishings Workers, All Other	
51-7041		Sawing Machine Setters, Operators, and Tenders, Wood	
51-7042		Woodworking Machine Setters, Operators, and Tenders, Except Sawing	
51-8012		Power Distributors and Dispatchers	
51-8093		Petroleum Pump System Operators, Refinery Operators, and Gaugers	
51-9041		Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	
51-9051		Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	
51-9191		Adhesive Bonding Machine Operators and Tenders	
51-9197		Tire Builders	
53-4011		Locomotive Engineers	
53-4022		Railroad Brake, Signal, and Switch Operators and Locomotive Firers	
53-4031		Railroad Conductors and Yardmasters	
53-5011		Sailors and Marine Oilers	
53-6099		Transportation Workers, All Other	
<b>Some college, no degree</b>		27-2032	Choreographers
		27-2042	Musicians and Singers
<b>Postsecondary nondegree award</b>		33-2022	Forest Fire Inspectors and Prevention Specialists
		39-9041	Residential Advisors
		43-4041	Credit Authorizers, Checkers, and Clerks
		19-5012	Occupational Health and Safety Technicians
	29-2036	Medical Dosimetrists	
	29-2061	Licensed Practical and Licensed Vocational Nurses	
	29-2092	Hearing Aid Specialists	
	31-1131	Nursing Assistants	
	31-2022	Physical Therapist Aides	
	33-9011	Animal Control Workers	
	35-2013	Cooks, Private Household	
	45-4011	Forest and Conservation Workers	
	49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles		
51-4111	Tool and Die Makers		
51-8021	Stationary Engineers and Boiler Operators		
53-5022	Motorboat Operators		



Workforce Region 8 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
Associate's degree	17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians	
	17-3028	Calibration Technologists and Technicians	
	19-4012	Agricultural Technicians	
	19-4013	Food Science Technicians	
	19-4043	Geological Technicians, Except Hydrologic Technicians	
	19-4071	Forest and Conservation Technicians	
	27-4012	Broadcast Technicians	
	27-4014	Sound Engineering Technicians	
	27-4099	Media and Communication Equipment Workers, All Other	
	29-2031	Cardiovascular Technologists and Technicians	
	29-2033	Nuclear Medicine Technologists	
	29-2035	Magnetic Resonance Imaging Technologists	
	43-9031	Desktop Publishers	
	49-9081	Wind Turbine Service Technicians	
	53-6041	Traffic Technicians	
	Bachelor's degree	11-2033	Fundraising Managers
		11-9013	Farmers, Ranchers, and Other Agricultural Managers
		11-9161	Emergency Management Directors
		13-1075	Labor Relations Specialists
		15-1243	Database Architects
17-1021		Cartographers and Photogrammetrists	
17-2021		Agricultural Engineers	
17-2041		Chemical Engineers	
17-2061		Computer Hardware Engineers	
17-2131		Materials Engineers	
17-2151		Mining and Geological Engineers, Including Mining Safety Engineers	
17-2161		Nuclear Engineers	
17-2171		Petroleum Engineers	
19-1013		Soil and Plant Scientists	
19-1031		Conservation Scientists	
19-1032		Foresters	
19-1099		Life Scientists, All Other	
19-2031		Chemists	
19-2032		Materials Scientists	
19-2042		Geoscientists, Except Hydrologists and Geographers	
19-2099		Physical Scientists, All Other	
21-2021		Directors, Religious Activities and Education	
21-2099		Religious Workers, All Other	
23-1022		Arbitrators, Mediators, and Conciliators	
25-2057		Special Education Teachers, Middle School	
25-4013		Museum Technicians and Conservators	
25-9099		Educational Instruction and Library Workers, All Other	
27-1022		Fashion Designers	
27-1027		Set and Exhibit Designers	
27-2041		Music Directors and Composers	
29-1125		Recreational Therapists	
29-1141		Registered Nurses	
33-3031		Fish and Game Wardens	
43-9081		Proofreaders and Copy Markers	
43-9111		Statistical Assistants	
Master's degree		11-9039	Education Administrators, All Other
		15-2041	Statisticians
		19-1022	Microbiologists
		19-3011	Economists
		19-3091	Anthropologists and Archeologists
		19-3094	Political Scientists
		21-2011	Clergy
		25-4011	Archivists
		25-4012	Curators
		29-1071	Physician Assistants
		29-1151	Nurse Anesthetists
		29-1161	Nurse Midwives
	29-1171	Nurse Practitioners	
	29-2091	Orthotists and Prosthetists	
	Doctoral or professional degree	19-1021	Biochemists and Biophysicists
		19-2012	Physicists
		23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers
		25-1041	Agricultural Sciences Teachers, Postsecondary
		25-1053	Environmental Science Teachers, Postsecondary
25-1062		Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
25-1067		Sociology Teachers, Postsecondary	
25-1113		Social Work Teachers, Postsecondary	
25-1193		Recreation and Fitness Studies Teachers, Postsecondary	
29-1029		Dentists, All Other Specialists	
29-1215		Family Medicine Physicians	
29-1241		Ophthalmologists, Except Pediatric	

**Workforce Region 10 - Occupational Areas of Concern by Educational Requirement**

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>
<b>No formal educational credential</b>	35-9099	Food Preparation and Serving Related Workers, All Other
	51-3022	Meat, Poultry, and Fish Cutters and Trimmers
<b>High school diploma or equivalent</b>	31-1120	Home Health and Personal Care Aides
	39-7010	Tour and Travel Guides
	43-9022	Word Processors and Typists
	45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers
	45-4021	Fallers
	45-4023	Log Graders and Scalers
	47-4051	Highway Maintenance Workers
	47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters
	51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic
	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
	51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers
	51-7041	Sawing Machine Setters, Operators, and Tenders, Wood
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	
<b>Some college, no degree</b>	27-2042	Musicians and Singers
	39-9041	Residential Advisors
	41-3041	Travel Agents
<b>Postsecondary nondegree award</b>	29-2061	Licensed Practical and Licensed Vocational Nurses
	31-1131	Nursing Assistants
	35-2013	Cooks, Private Household
	45-4011	Forest and Conservation Workers
	51-8021	Stationary Engineers and Boiler Operators
<b>Associate's degree</b>	19-4071	Forest and Conservation Technicians
	29-2033	Nuclear Medicine Technologists
	49-9081	Wind Turbine Service Technicians
<b>Bachelor's degree</b>	17-2041	Chemical Engineers
	17-2171	Petroleum Engineers
	21-2021	Directors, Religious Activities and Education
<b>Master's degree</b>	21-2011	Clergy
	29-1071	Physician Assistants
	29-1151	Nurse Anesthetists
	29-1171	Nurse Practitioners
<b>Doctoral or professional degree</b>	19-2012	Physicists

Workforce Region 12 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	35-2019	Cooks, All Other	
	35-9099	Food Preparation and Serving Related Workers, All Other	
	41-9011	Demonstrators and Product Promoters	
	45-2041	Graders and Sorters, Agricultural Products	
	45-2091	Agricultural Equipment Operators	
	45-2099	Agricultural Workers, All Other	
	47-2142	Paperhangers	
	51-3022	Meat, Poultry, and Fish Cutters and Trimmers	
	51-3023	Slaughterers and Meat Packers	
	51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	
	51-3099	Food Processing Workers, All Other	
	51-9031	Cutters and Trimmers, Hand	
	53-6031	Automotive and Watercraft Service Attendants	
	53-7041	Hoist and Winch Operators	
	53-7063	Machine Feeders and Offbearers	
	High school diploma or equivalent	11-9131	Postmasters and Mail Superintendents
		27-2031	Dancers
		31-1120	Home Health and Personal Care Aides
		33-3011	Bailiffs
		39-3099	Entertainment Attendants and Related Workers, All Other
		39-4012	Crematory Operators
		39-4021	Funeral Attendants
		39-7010	Tour and Travel Guides
		39-9011	Childcare Workers
		41-9012	Models
43-2021		Telephone Operators	
43-2099		Communications Equipment Operators, All Other	
43-4021		Correspondence Clerks	
43-4061		Eligibility Interviewers, Government Programs	
43-4141		New Accounts Clerks	
43-5041		Meter Readers, Utilities	
43-9022		Word Processors and Typists	
45-1011		First-Line Supervisors of Farming, Fishing, and Forestry Workers	
45-4021		Fallers	
45-4022		Logging Equipment Operators	
45-4023		Log Graders and Scalers	
47-2011		Boilermakers	
47-2022		Stonemasons	
47-2072		Pile Driver Operators	
47-2132		Insulation Workers, Mechanical	
47-4051		Highway Maintenance Workers	
47-4061		Rail-Track Laying and Maintenance Equipment Operators	
47-5032		Explosives Workers, Ordnance Handling Experts, and Blasters	
47-5081		Helpers--Extraction Workers	
49-3041		Farm Equipment Mechanics and Service Technicians	
49-3043		Rail Car Repairers	
49-3091		Bicycle Repairers	
49-9063		Musical Instrument Repairers and Tuners	
49-9064		Watch and Clock Repairers	
49-9069		Precision Instrument and Equipment Repairers, All Other	
49-9097		Signal and Track Switch Repairers	
51-2021		Coil Winders, Tapers, and Finishers	
51-2028		Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	
51-2031		Engine and Other Machine Assemblers	
51-2041		Structural Metal Fabricators and Fitters	
51-2090		Miscellaneous Assemblers and Fabricators	
51-3092		Food Batchmakers	
51-4021		Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	
51-4022		Forging Machine Setters, Operators, and Tenders, Metal and Plastic	
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	
51-4032		Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-4033		Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-4034		Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-4051		Metal-Refining Furnace Operators and Tenders	
51-4061	Model Makers, Metal and Plastic		
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic		
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic		
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic		
51-4192	Layout Workers, Metal and Plastic		
51-4194	Tool Grinders, Filers, and Sharpeners		
51-6041	Shoe and Leather Workers and Repairers		
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders		
51-6062	Textile Cutting Machine Setters, Operators, and Tenders		

Workforce Region 12 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title
	51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders
	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
	51-6092	Fabric and Apparel Patternmakers
	51-7041	Sawing Machine Setters, Operators, and Tenders, Wood
	51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing
	51-7099	Woodworkers, All Other
	51-8012	Power Distributors and Dispatchers
	51-8092	Gas Plant Operators
	51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers
	51-9011	Chemical Equipment Operators and Tenders
	51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders
	51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders
	51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders
	51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders
	51-9151	Photographic Process Workers and Processing Machine Operators
	51-9191	Adhesive Bonding Machine Operators and Tenders
	51-9193	Cooling and Freezing Equipment Operators and Tenders
	51-9194	Etchers and Engravers
	53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians
	53-3052	Bus Drivers, Transit and Intercity
	53-4011	Locomotive Engineers
	53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers
	53-4031	Railroad Conductors and Yardmasters
	53-4041	Subway and Streetcar Operators
	53-5011	Sailors and Marine Oilers
	53-6099	Transportation Workers, All Other
	53-7071	Gas Compressor and Gas Pumping Station Operators
	53-7072	Pump Operators, Except Wellhead Pumps
Some college, no degree	27-1019	Artists and Related Workers, All Other
	27-2023	Umpires, Referees, and Other Sports Officials
	27-2032	Choreographers
	27-2042	Musicians and Singers
	33-2022	Forest Fire Inspectors and Prevention Specialists
	39-9041	Residential Advisors
	41-9099	Sales and Related Workers, All Other
	43-4041	Credit Authorizers, Checkers, and Clerks
	43-4121	Library Assistants, Clerical
Postsecondary nondegree award	19-5012	Occupational Health and Safety Technicians
	29-2036	Medical Dosimetrists
	29-2042	Emergency Medical Technicians
	29-2061	Licensed Practical and Licensed Vocational Nurses
	29-2092	Hearing Aid Specialists
	31-1131	Nursing Assistants
	31-2022	Physical Therapist Aides
	31-9094	Medical Transcriptionists
	33-9011	Animal Control Workers
	35-2013	Cooks, Private Household
	39-5092	Manicurists and Pedicurists
	45-4011	Forest and Conservation Workers
	49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment
	49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay
	49-3021	Automotive Body and Related Repairers
	49-9044	Millwrights
	49-9092	Commercial Divers
	51-4111	Tool and Die Makers
	51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders
	51-8021	Stationary Engineers and Boiler Operators
	51-8099	Plant and System Operators, All Other
	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers
	51-9082	Medical Appliance Technicians
	51-9161	Computer Numerically Controlled Tool Operators
	53-5021	Captains, Mates, and Pilots of Water Vessels
	53-5022	Motorboat Operators

**Workforce Region 12 - Occupational Areas of Concern by Educational Requirement**

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>	
<b>Associate's degree</b>	17-3025	Environmental Engineering Technologists and Technicians	
	17-3026	Industrial Engineering Technologists and Technicians	
	17-3027	Mechanical Engineering Technologists and Technicians	
	17-3028	Calibration Technologists and Technicians	
	19-4012	Agricultural Technicians	
	19-4013	Food Science Technicians	
	19-4031	Chemical Technicians	
	19-4043	Geological Technicians, Except Hydrologic Technicians	
	19-4051	Nuclear Technicians	
	19-4071	Forest and Conservation Technicians	
	27-4012	Broadcast Technicians	
	29-2031	Cardiovascular Technologists and Technicians	
	29-2033	Nuclear Medicine Technologists	
	29-2035	Magnetic Resonance Imaging Technologists	
	33-3052	Transit and Railroad Police	
	39-4011	Embalmers	
	43-9031	Desktop Publishers	
	49-2021	Radio, Cellular, and Tower Equipment Installers and Repairers	
	49-9081	Wind Turbine Service Technicians	
	51-8091	Chemical Plant and System Operators	
	51-9162	Computer Numerically Controlled Tool Programmers	
	<b>Bachelor's degree</b>	11-2033	Fundraising Managers
		11-3051	Industrial Production Managers
		11-9013	Farmers, Ranchers, and Other Agricultural Managers
		11-9041	Architectural and Engineering Managers
		13-1075	Labor Relations Specialists
		15-1243	Database Architects
		15-1299	Computer Occupations, All Other
		15-2011	Actuaries
		15-2099	Mathematical Science Occupations, All Other
		17-1021	Cartographers and Photogrammetrists
		17-2031	Bioengineers and Biomedical Engineers
17-2041		Chemical Engineers	
17-2061		Computer Hardware Engineers	
17-2081		Environmental Engineers	
17-2131		Materials Engineers	
17-2141		Mechanical Engineers	
17-2151		Mining and Geological Engineers, Including Mining Safety Engineers	
17-2161		Nuclear Engineers	
17-2171		Petroleum Engineers	
19-1012		Food Scientists and Technologists	
19-1013		Soil and Plant Scientists	
19-1031		Conservation Scientists	
19-1032		Foresters	
19-1042		Medical Scientists, Except Epidemiologists	
19-1099		Life Scientists, All Other	
19-2031		Chemists	
19-2032		Materials Scientists	
19-2042		Geoscientists, Except Hydrologists and Geographers	
19-2099		Physical Scientists, All Other	
19-3099		Social Scientists and Related Workers, All Other	
19-4021		Biological Technicians	
19-4061		Social Science Research Assistants	
21-1094		Community Health Workers	
21-2021		Directors, Religious Activities and Education	
21-2099		Religious Workers, All Other	
25-2057		Special Education Teachers, Middle School	
25-4013		Museum Technicians and Conservators	
25-9099		Educational Instruction and Library Workers, All Other	
27-1022		Fashion Designers	
27-1029		Designers, All Other	
27-2041		Music Directors and Composers	
27-3041		Editors	
29-1125		Recreational Therapists	
29-1129		Therapists, All Other	
29-1141		Registered Nurses	
33-3031		Fish and Game Wardens	
41-9031		Sales Engineers	
43-9081	Proofreaders and Copy Markers		
43-9111	Statistical Assistants		

**Workforce Region 12 - Occupational Areas of Concern by Educational Requirement**

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>	
<b>Master's degree</b>	11-9039	Education Administrators, All Other	
	15-2041	Statisticians	
	19-1011	Animal Scientists	
	19-1022	Microbiologists	
	19-3011	Economists	
	19-3022	Survey Researchers	
	19-3041	Sociologists	
	19-3091	Anthropologists and Archeologists	
	19-3093	Historians	
	19-3094	Political Scientists	
	21-1015	Rehabilitation Counselors	
	21-2011	Clergy	
	25-4011	Archivists	
	29-1071	Physician Assistants	
	29-1151	Nurse Anesthetists	
	29-1171	Nurse Practitioners	
	29-2091	Orthotists and Prosthetists	
	<b>Doctoral or professional degree</b>	19-1021	Biochemists and Biophysicists
		19-1041	Epidemiologists
		19-2012	Physicists
23-1021		Administrative Law Judges, Adjudicators, and Hearing Officers	
25-1041		Agricultural Sciences Teachers, Postsecondary	
25-1053		Environmental Science Teachers, Postsecondary	
25-1054		Physics Teachers, Postsecondary	
25-1062		Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
25-1067		Sociology Teachers, Postsecondary	
25-1113		Social Work Teachers, Postsecondary	
25-1193		Recreation and Fitness Studies Teachers, Postsecondary	
29-1022		Oral and Maxillofacial Surgeons	
29-1023		Orthodontists	
29-1081		Podiatrists	
29-1181		Audiologists	
29-1215		Family Medicine Physicians	
29-1221		Pediatricians, General	
29-1224		Radiologists	
29-1241		Ophthalmologists, Except Pediatric	

**Workforce Region 16 - Occupational Areas of Concern by Educational Requirement**

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>	
<b>No formal educational credential</b>	35-9099	Food Preparation and Serving Related Workers, All Other	
	37-2019	Building Cleaning Workers, All Other	
	41-9011	Demonstrators and Product Promoters	
	47-2041	Carpet Installers	
	47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	
	47-2082	Tapers	
	47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	
	51-3022	Meat, Poultry, and Fish Cutters and Trimmers	
	51-3023	Slaughterers and Meat Packers	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	<b>High school diploma or equivalent</b>	31-1120	Home Health and Personal Care Aides
		39-6011	Baggage Porters and Bellhops
		43-5041	Meter Readers, Utilities
		43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service
43-9071		Office Machine Operators, Except Computer	
45-4022		Logging Equipment Operators	
47-2171		Reinforcing Iron and Rebar Workers	
47-2231		Solar Photovoltaic Installers	
47-4051		Highway Maintenance Workers	
47-4071		Septic Tank Servicers and Sewer Pipe Cleaners	
47-5032		Explosives Workers, Ordnance Handling Experts, and Blasters	
49-3092		Recreational Vehicle Service Technicians	
49-9011		Mechanical Door Repairers	
51-2041		Structural Metal Fabricators and Fitters	
51-4031		Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	
51-4081		Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-6091		Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	
51-9012		Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	
51-9032		Cutting and Slicing Machine Setters, Operators, and Tenders	
53-7021		Crane and Tower Operators	
<b>Some college, no degree</b>	27-2042	Musicians and Singers	
	39-9041	Residential Advisors	
	43-4121	Library Assistants, Clerical	
<b>Postsecondary nondegree award</b>	27-3092	Court Reporters and Simultaneous Captioners	
	29-2061	Licensed Practical and Licensed Vocational Nurses	
	31-1131	Nursing Assistants	
	31-9094	Medical Transcriptionists	
	35-2013	Cooks, Private Household	
	39-5092	Manicurists and Pedicurists	
	49-2097	Audiovisual Equipment Installers and Repairers	
	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	
	51-8013	Power Plant Operators	
	51-8021	Stationary Engineers and Boiler Operators	
	53-2012	Commercial Pilots	
	53-5021	Captains, Mates, and Pilots of Water Vessels	
	<b>Associate's degree</b>	17-3013	Mechanical Drafters
17-3022		Civil Engineering Technologists and Technicians	
17-3029		Engineering Technologists and Technicians, Except Drafters, All Other	
29-2031		Cardiovascular Technologists and Technicians	
29-2033		Nuclear Medicine Technologists	
29-2035		Magnetic Resonance Imaging Technologists	
39-4031		Morticians, Undertakers, and Funeral Arrangers	
49-9081		Wind Turbine Service Technicians	

**Workforce Region 16 - Occupational Areas of Concern by Educational Requirement**

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>	
<b>Bachelor's degree</b>	11-2032	Public Relations Managers	
	11-3061	Purchasing Managers	
	11-3131	Training and Development Managers	
	11-9072	Entertainment and Recreation Managers, Except Gambling	
	11-9179	Personal Service Managers, All Other	
	13-2031	Budget Analysts	
	13-2041	Credit Analysts	
	13-2061	Financial Examiners	
	13-2071	Credit Counselors	
	13-2081	Tax Examiners and Collectors, and Revenue Agents	
	17-1012	Landscape Architects	
	17-2141	Mechanical Engineers	
	17-2171	Petroleum Engineers	
	19-4021	Biological Technicians	
	19-4092	Forensic Science Technicians	
	19-4099	Life, Physical, and Social Science Technicians, All Other	
	21-1094	Community Health Workers	
	21-2021	Directors, Religious Activities and Education	
	21-2099	Religious Workers, All Other	
	25-2057	Special Education Teachers, Middle School	
	25-9099	Educational Instruction and Library Workers, All Other	
	27-2041	Music Directors and Composers	
	27-3042	Technical Writers	
	27-4031	Camera Operators, Television, Video, and Film	
	29-1141	Registered Nurses	
	29-9091	Athletic Trainers	
	<b>Master's degree</b>	21-2011	Clergy
		29-1071	Physician Assistants
		29-1151	Nurse Anesthetists
		29-1171	Nurse Practitioners
		29-1291	Acupuncturists
	<b>Doctoral or professional degree</b>	19-2012	Physicists
		25-1067	Sociology Teachers, Postsecondary
29-1081		Podiatrists	
29-1212		Cardiologists	
29-1213		Dermatologists	
29-1215		Family Medicine Physicians	
29-1222		Physicians, Pathologists	
29-1224		Radiologists	
29-1242		Orthopedic Surgeons, Except Pediatric	
29-1249		Surgeons, All Other	



Workforce Region 17 - Occupational Areas of Concern by Educational Requirement

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>	
<b>No formal educational credential</b>	35-2019	Cooks, All Other	
	35-9099	Food Preparation and Serving Related Workers, All Other	
	37-2019	Building Cleaning Workers, All Other	
	41-9011	Demonstrators and Product Promoters	
	45-2041	Graders and Sorters, Agricultural Products	
	47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	
	47-2082	Tapers	
	47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	
	47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	
	47-3016	Helpers--Roofers	
	51-3022	Meat, Poultry, and Fish Cutters and Trimmers	
	51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	
	51-3099	Food Processing Workers, All Other	
	51-6021	Pressers, Textile, Garment, and Related Materials	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	53-6031	Automotive and Watercraft Service Attendants	
	53-7121	Tank Car, Truck, and Ship Loaders	
	<b>High school diploma or equivalent</b>	31-1120	Home Health and Personal Care Aides
		31-1133	Psychiatric Aides
		39-4021	Funeral Attendants
		43-4141	New Accounts Clerks
		43-5041	Meter Readers, Utilities
		43-9022	Word Processors and Typists
		45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers
		45-4022	Logging Equipment Operators
		45-4023	Log Graders and Scalers
47-2011		Boilermakers	
47-2171		Reinforcing Iron and Rebar Workers	
47-2231		Solar Photovoltaic Installers	
47-4051		Highway Maintenance Workers	
47-4061		Rail-Track Laying and Maintenance Equipment Operators	
47-5023		Earth Drillers, Except Oil and Gas	
47-5032		Explosives Workers, Ordnance Handling Experts, and Blasters	
49-3041		Farm Equipment Mechanics and Service Technicians	
49-3052		Motorcycle Mechanics	
49-9011		Mechanical Door Repairers	
49-9094		Locksmiths and Safe Repairers	
49-9096		Riggers	
51-2028		Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishes	
51-2031		Engine and Other Machine Assemblers	
51-2041		Structural Metal Fabricators and Fitters	
51-4021		Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	
51-4031		Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	
51-4033		Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-4072		Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	
51-4191		Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	
51-4199		Metal Workers and Plastic Workers, All Other	
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	
51-6093		Upholsterers	
51-7021		Furniture Finishers	
51-7041		Sawing Machine Setters, Operators, and Tenders, Wood	
51-7042		Woodworking Machine Setters, Operators, and Tenders, Except Sawing	
51-7099		Woodworkers, All Other	
51-8093		Petroleum Pump System Operators, Refinery Operators, and Gaugers	
51-9021		Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	
51-9041		Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	
51-9123		Painting, Coating, and Decorating Workers	
51-9193		Cooling and Freezing Equipment Operators and Tenders	
51-9197		Tire Builders	
53-3011		Ambulance Drivers and Attendants, Except Emergency Medical Technicians	
53-3052		Bus Drivers, Transit and Intercity	
53-4031		Railroad Conductors and Yardmasters	
53-6032		Aircraft Service Attendants	
53-7072	Pump Operators, Except Wellhead Pumps		
<b>Some college, no degree</b>	27-1012	Craft Artists	
	27-2021	Athletes and Sports Competitors	
	27-2042	Musicians and Singers	
	33-1099	First-Line Supervisors of Protective Service Workers, All Other	
	39-9041	Residential Advisors	
	43-4011	Brokerage Clerks	
	43-4121	Library Assistants, Clerical	

Workforce Region 17 - Occupational Areas of Concern by Educational Requirement

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>	
<b>Postsecondary nondegree award</b>	19-5012	Occupational Health and Safety Technicians	
	29-2042	Emergency Medical Technicians	
	29-2061	Licensed Practical and Licensed Vocational Nurses	
	31-1131	Nursing Assistants	
	31-2022	Physical Therapist Aides	
	31-9094	Medical Transcriptionists	
	35-2013	Cooks, Private Household	
	39-5092	Manicurists and Pedicurists	
	45-4011	Forest and Conservation Workers	
	49-3021	Automotive Body and Related Repairers	
	49-9044	Millwrights	
	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	
	51-4111	Tool and Die Makers	
	51-5111	Prepress Technicians and Workers	
	51-8021	Stationary Engineers and Boiler Operators	
	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	
	51-9161	Computer Numerically Controlled Tool Operators	
	53-5021	Captains, Mates, and Pilots of Water Vessels	
	<b>Associate's degree</b>	17-3019	Drafters, All Other
		17-3027	Mechanical Engineering Technologists and Technicians
		17-3029	Engineering Technologists and Technicians, Except Drafters, All Other
		29-1124	Radiation Therapists
		29-2031	Cardiovascular Technologists and Technicians
		29-2033	Nuclear Medicine Technologists
		29-2035	Magnetic Resonance Imaging Technologists
		29-2051	Dietetic Technicians
		49-9081	Wind Turbine Service Technicians
		51-8091	Chemical Plant and System Operators
51-9162		Computer Numerically Controlled Tool Programmers	
53-6041		Traffic Technicians	
<b>Bachelor's degree</b>		11-2011	Advertising and Promotions Managers
		11-3051	Industrial Production Managers
		11-3111	Compensation and Benefits Managers
	11-9013	Farmers, Ranchers, and Other Agricultural Managers	
	11-9041	Architectural and Engineering Managers	
	13-1075	Labor Relations Specialists	
	15-1243	Database Architects	
	15-2011	Actuaries	
	17-1012	Landscape Architects	
	17-2011	Aerospace Engineers	
	17-2041	Chemical Engineers	
	17-2081	Environmental Engineers	
	17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	
	17-2141	Mechanical Engineers	
	17-2171	Petroleum Engineers	
	19-1012	Food Scientists and Technologists	
	19-1029	Biological Scientists, All Other	
	19-2031	Chemists	
	19-2042	Geoscientists, Except Hydrologists and Geographers	
	19-4021	Biological Technicians	
	21-1094	Community Health Workers	
	21-2021	Directors, Religious Activities and Education	
	21-2099	Religious Workers, All Other	
	25-2057	Special Education Teachers, Middle School	
	25-4013	Museum Technicians and Conservators	
	25-9099	Educational Instruction and Library Workers, All Other	
	27-1011	Art Directors	
	27-1014	Special Effects Artists and Animators	
	27-1021	Commercial and Industrial Designers	
	27-2041	Music Directors and Composers	
	27-3041	Editors	
	27-4031	Camera Operators, Television, Video, and Film	
	29-1125	Recreational Therapists	
	29-1141	Registered Nurses	
	29-9091	Athletic Trainers	
41-9031	Sales Engineers		
43-9111	Statistical Assistants		

Workforce Region 17 - Occupational Areas of Concern by Educational Requirement

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>	
<b>Master's degree</b>	11-9039	Education Administrators, All Other	
	15-1221	Computer and Information Research Scientists	
	15-2041	Statisticians	
	19-1022	Microbiologists	
	19-1023	Zoologists and Wildlife Biologists	
	21-1015	Rehabilitation Counselors	
	21-2011	Clergy	
	29-1071	Physician Assistants	
	29-1151	Nurse Anesthetists	
	29-1161	Nurse Midwives	
	29-1171	Nurse Practitioners	
	29-1291	Acupuncturists	
	<b>Doctoral or professional degree</b>	19-2012	Physicists
		19-3039	Psychologists, All Other
23-1023		Judges, Magistrate Judges, and Magistrates	
25-1041		Agricultural Sciences Teachers, Postsecondary	
25-1062		Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
25-1113		Social Work Teachers, Postsecondary	
29-1212		Cardiologists	
29-1213		Dermatologists	
29-1215		Family Medicine Physicians	
29-1216		General Internal Medicine Physicians	
29-1217		Neurologists	
29-1218		Obstetricians and Gynecologists	
29-1221		Pediatricians, General	
29-1224		Radiologists	
29-1242		Orthopedic Surgeons, Except Pediatric	
29-1249	Surgeons, All Other		

Workforce Region 18 - Occupational Areas of Concern by Educational Requirement

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>	
<b>No formal educational credential</b>	35-2019	Cooks, All Other	
	35-9099	Food Preparation and Serving Related Workers, All Other	
	37-3019	Grounds Maintenance Workers, All Other	
	41-9011	Demonstrators and Product Promoters	
	45-2091	Agricultural Equipment Operators	
	51-3022	Meat, Poultry, and Fish Cutters and Trimmers	
	51-3023	Slaughterers and Meat Packers	
	51-3099	Food Processing Workers, All Other	
	51-6021	Pressers, Textile, Garment, and Related Materials	
	53-7011	Conveyor Operators and Tenders	
	53-7063	Machine Feeders and Offbearers	
	<b>High school diploma or equivalent</b>	27-2031	Dancers
		31-1120	Home Health and Personal Care Aides
		31-1133	Psychiatric Aides
39-5093		Shampooers	
39-7010		Tour and Travel Guides	
43-9022		Word Processors and Typists	
45-1011		First-Line Supervisors of Farming, Fishing, and Forestry Workers	
47-2011		Boilermakers	
47-2072		Pile Driver Operators	
47-2132		Insulation Workers, Mechanical	
47-4051		Highway Maintenance Workers	
47-4071		Septic Tank Servicers and Sewer Pipe Cleaners	
49-2092		Electric Motor, Power Tool, and Related Repairers	
49-3041		Farm Equipment Mechanics and Service Technicians	
49-3052		Motorcycle Mechanics	
49-3091		Bicycle Repairers	
49-9096		Riggers	
51-2031		Engine and Other Machine Assemblers	
51-3093		Food Cooking Machine Operators and Tenders	
51-4021		Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	
51-4031		Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	
51-4032		Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-4033		Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-4034		Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-4072		Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	
51-4191		Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	
51-4192		Layout Workers, Metal and Plastic	
51-4199		Metal Workers and Plastic Workers, All Other	
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	
51-7042		Woodworking Machine Setters, Operators, and Tenders, Except Sawing	
51-9012		Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	
51-9041		Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	
51-9083		Ophthalmic Laboratory Technicians	
53-2031		Flight Attendants	
53-3011		Ambulance Drivers and Attendants, Except Emergency Medical Technicians	
<b>Some college, no degree</b>		27-2032	Choreographers
		27-2042	Musicians and Singers
		39-9041	Residential Advisors
		43-4121	Library Assistants, Clerical
<b>Postsecondary nondegree award</b>		29-2061	Licensed Practical and Licensed Vocational Nurses
		29-2092	Hearing Aid Specialists
	31-1131	Nursing Assistants	
	31-2022	Physical Therapist Aides	
	35-2013	Cooks, Private Household	
	45-4011	Forest and Conservation Workers	
	49-9044	Millwrights	
	51-4111	Tool and Die Makers	
	51-5111	Prepress Technicians and Workers	
	51-8021	Stationary Engineers and Boiler Operators	
	53-5022	Motorboat Operators	
	<b>Associate's degree</b>	17-3027	Mechanical Engineering Technologists and Technicians
		19-4031	Chemical Technicians
		29-1124	Radiation Therapists
29-2031		Cardiovascular Technologists and Technicians	
29-2033		Nuclear Medicine Technologists	
29-2035		Magnetic Resonance Imaging Technologists	
29-2051		Dietetic Technicians	
39-4031		Morticians, Undertakers, and Funeral Arrangers	
49-9081		Wind Turbine Service Technicians	
51-8091		Chemical Plant and System Operators	
51-9162		Computer Numerically Controlled Tool Programmers	

Workforce Region 18 - Occupational Areas of Concern by Educational Requirement

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>	
<b>Bachelor's degree</b>	11-2011	Advertising and Promotions Managers	
	11-2033	Fundraising Managers	
	11-9013	Farmers, Ranchers, and Other Agricultural Managers	
	11-9161	Emergency Management Directors	
	13-1075	Labor Relations Specialists	
	15-1243	Database Architects	
	17-2041	Chemical Engineers	
	17-2061	Computer Hardware Engineers	
	17-2081	Environmental Engineers	
	17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	
	17-2141	Mechanical Engineers	
	17-2171	Petroleum Engineers	
	19-1012	Food Scientists and Technologists	
	19-1029	Biological Scientists, All Other	
	19-2031	Chemists	
	21-1094	Community Health Workers	
	21-2021	Directors, Religious Activities and Education	
	21-2099	Religious Workers, All Other	
	25-2057	Special Education Teachers, Middle School	
	25-4013	Museum Technicians and Conservators	
	25-9099	Educational Instruction and Library Workers, All Other	
	27-1029	Designers, All Other	
	27-2041	Music Directors and Composers	
	29-1125	Recreational Therapists	
	29-1141	Registered Nurses	
	43-9111	Statistical Assistants	
	53-2011	Airline Pilots, Copilots, and Flight Engineers	
	<b>Master's degree</b>	11-9039	Education Administrators, All Other
		15-2041	Statisticians
		19-1022	Microbiologists
		19-1023	Zoologists and Wildlife Biologists
		21-2011	Clergy
		29-1071	Physician Assistants
		29-1128	Exercise Physiologists
29-1151		Nurse Anesthetists	
29-1171		Nurse Practitioners	
29-1291		Acupuncturists	
<b>Doctoral or professional degree</b>		19-2012	Physicists
	19-3039	Psychologists, All Other	
	25-1041	Agricultural Sciences Teachers, Postsecondary	
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
	29-1212	Cardiologists	
	29-1215	Family Medicine Physicians	
	29-1218	Obstetricians and Gynecologists	
	29-1222	Physicians, Pathologists	
	29-1224	Radiologists	
	29-1242	Orthopedic Surgeons, Except Pediatric	
	29-1249	Surgeons, All Other	

**Workforce Region 19 - Occupational Areas of Concern by Educational Requirement**

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>
<b>High school diploma or equivalent</b>	11-9131	Postmasters and Mail Superintendents
	31-1120	Home Health and Personal Care Aides
	47-4051	Highway Maintenance Workers
<b>Postsecondary nondegree award</b>	35-2013	Cooks, Private Household
	45-4011	Forest and Conservation Workers
	51-8021	Stationary Engineers and Boiler Operators
<b>Associate's degree</b>	19-4071	Forest and Conservation Technicians
<b>Bachelor's degree</b>	21-2021	Directors, Religious Activities and Education

Workforce Region 20 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	35-9099	Food Preparation and Serving Related Workers, All Other	
	47-2082	Tapers	
	47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	
	51-3022	Meat, Poultry, and Fish Cutters and Trimmers	
	51-3023	Slaughterers and Meat Packers	
	51-3099	Food Processing Workers, All Other	
	51-6021	Pressers, Textile, Garment, and Related Materials	
High school diploma or equivalent	53-7063	Machine Feeders and Offbearers	
	11-9131	Postmasters and Mail Superintendents	
	31-1120	Home Health and Personal Care Aides	
	39-4021	Funeral Attendants	
	43-5041	Meter Readers, Utilities	
	45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	
	47-2171	Reinforcing Iron and Rebar Workers	
	47-4051	Highway Maintenance Workers	
	49-3041	Farm Equipment Mechanics and Service Technicians	
	49-3092	Recreational Vehicle Service Technicians	
	49-9043	Maintenance Workers, Machinery	
	51-2031	Engine and Other Machine Assemblers	
	51-3093	Food Cooking Machine Operators and Tenders	
	51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	
	51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
	51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
	51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	
	51-6042	Shoe Machine Operators and Tenders	
	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	
	51-7021	Furniture Finishers	
	51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	
	51-9011	Chemical Equipment Operators and Tenders	
	51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	
	51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	
	51-9191	Adhesive Bonding Machine Operators and Tenders	
	Some college, no degree	27-2042	Musicians and Singers
		39-9041	Residential Advisors
		43-3099	Financial Clerks, All Other
	Postsecondary nondegree award	27-3092	Court Reporters and Simultaneous Captioners
		29-2061	Licensed Practical and Licensed Vocational Nurses
		31-1131	Nursing Assistants
35-2013		Cooks, Private Household	
45-4011		Forest and Conservation Workers	
49-2095		Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	
49-9012		Control and Valve Installers and Repairers, Except Mechanical Door	
Associate's degree	51-8021	Stationary Engineers and Boiler Operators	
	17-3021	Aerospace Engineering and Operations Technologists and Technicians	
	17-3026	Industrial Engineering Technologists and Technicians	
	17-3029	Engineering Technologists and Technicians, Except Drafters, All Other	
	19-4031	Chemical Technicians	
	29-2031	Cardiovascular Technologists and Technicians	
	29-2033	Nuclear Medicine Technologists	
	29-2035	Magnetic Resonance Imaging Technologists	
	29-2051	Dietetic Technicians	
Bachelor's degree	49-9081	Wind Turbine Service Technicians	
	11-3131	Training and Development Managers	
	11-9013	Farmers, Ranchers, and Other Agricultural Managers	
	13-1075	Labor Relations Specialists	
	17-2041	Chemical Engineers	
	17-2081	Environmental Engineers	
	17-2171	Petroleum Engineers	
	19-1031	Conservation Scientists	
	21-1094	Community Health Workers	
	21-2021	Directors, Religious Activities and Education	
	21-2099	Religious Workers, All Other	
	25-2057	Special Education Teachers, Middle School	
	25-9099	Educational Instruction and Library Workers, All Other	
	27-2041	Music Directors and Composers	
	27-3042	Technical Writers	
	29-1125	Recreational Therapists	
	29-1141	Registered Nurses	
29-9091	Athletic Trainers		

Workforce Region 20 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title
Master's degree	11-9039	Education Administrators, All Other
	21-2011	Clergy
	29-1071	Physician Assistants
	29-1151	Nurse Anesthetists
	29-1171	Nurse Practitioners
Doctoral or professional degree	19-2012	Physicists
	23-1023	Judges, Magistrate Judges, and Magistrates
	25-1041	Agricultural Sciences Teachers, Postsecondary
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary
	25-1067	Sociology Teachers, Postsecondary
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary
	29-1181	Audiologists
	29-1213	Dermatologists
	29-1215	Family Medicine Physicians
	29-1242	Orthopedic Surgeons, Except Pediatric



Workforce Region 21 - Occupational Areas of Concern by Educational Requirement

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>	
<b>No formal educational credential</b>	51-3023	Slaughterers and Meat Packers	
	31-1120	Home Health and Personal Care Aides	
<b>High school diploma or equivalent</b>	41-9012	Models	
	43-4021	Correspondence Clerks	
	45-4021	Fallers	
	45-4023	Log Graders and Scalers	
	47-2132	Insulation Workers, Mechanical	
	47-4051	Highway Maintenance Workers	
	47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	
	51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	
	51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
	51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
	51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	
	51-4192	Layout Workers, Metal and Plastic	
	51-4194	Tool Grinders, Filers, and Sharpeners	
	51-6061	Textile Bleaching and Dyeing Machine 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	
	51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	
	51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	
	53-5011	Sailors and Marine Oilers	
	<b>Some college, no degree</b>	27-2032	Choreographers
		33-2022	Forest Fire Inspectors and Prevention Specialists
	<b>Postsecondary nondegree award</b>	29-2061	Licensed Practical and Licensed Vocational Nurses
		29-2092	Hearing Aid Specialists
31-1131		Nursing Assistants	
31-2022		Physical Therapist Aides	
35-2013		Cooks, Private Household	
45-4011		Forest and Conservation Workers	
51-8021		Stationary Engineers and Boiler Operators	
<b>Associate's degree</b>	19-4071	Forest and Conservation Technicians	
	49-9081	Wind Turbine Service Technicians	
<b>Bachelor's degree</b>	11-2033	Fundraising Managers	
	17-2041	Chemical Engineers	
	17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	
	17-2161	Nuclear Engineers	
	17-2171	Petroleum Engineers	
	19-1013	Soil and Plant Scientists	
	19-2032	Materials Scientists	
	21-2021	Directors, Religious Activities and Education	
	21-2099	Religious Workers, All Other	
	29-1125	Recreational Therapists	
	29-1141	Registered Nurses	
	43-9111	Statistical Assistants	
	19-1022	Microbiologists	
	19-3094	Political Scientists	
	21-2011	Clergy	
<b>Master's degree</b>	25-4011	Archivists	
	29-1071	Physician Assistants	
	29-1151	Nurse Anesthetists	
	29-1171	Nurse Practitioners	
	<b>Doctoral or professional degree</b>	19-1021	Biochemists and Biophysicists
		19-2012	Physicists
		25-1041	Agricultural Sciences Teachers, Postsecondary
25-1062		Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
25-1067		Sociology Teachers, Postsecondary	
25-1113		Social Work Teachers, Postsecondary	
25-1193		Recreation and Fitness Studies Teachers, Postsecondary	
29-1243	Pediatric Surgeons		

Workforce Region 22 - Occupational Areas of Concern by Educational Requirement

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>	
<b>No formal educational credential</b>	51-3023	Slaughterers and Meat Packers	
	51-9031	Cutters and Trimmers, Hand	
<b>High school diploma or equivalent</b>	31-1120	Home Health and Personal Care Aides	
	43-4021	Correspondence Clerks	
	45-4021	Fallers	
	45-4023	Log Graders and Scalers	
	47-4051	Highway Maintenance Workers	
	47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	
	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	
	51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
	51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
	51-4192	Layout Workers, Metal and Plastic	
	51-4194	Tool Grinders, Filers, and Sharpeners	
	51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	
	51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	
	51-6092	Fabric and Apparel Patternmakers	
	51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	
	51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	
	53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	
	53-5011	Sailors and Marine Oilers	
	<b>Some college, no degree</b>	27-2032	Choreographers
		19-5012	Occupational Health and Safety Technicians
<b>Postsecondary nondegree award</b>	29-2061	Licensed Practical and Licensed Vocational Nurses	
	29-2092	Hearing Aid Specialists	
	31-1131	Nursing Assistants	
	31-2022	Physical Therapist Aides	
	35-2013	Cooks, Private Household	
	45-4011	Forest and Conservation Workers	
	51-4111	Tool and Die Makers	
	51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	
	51-8021	Stationary Engineers and Boiler Operators	
	<b>Associate's degree</b>	19-4071	Forest and Conservation Technicians
		29-2031	Cardiovascular Technologists and Technicians
		29-2033	Nuclear Medicine Technologists
		29-2035	Magnetic Resonance Imaging Technologists
49-9081		Wind Turbine Service Technicians	
<b>Bachelor's degree</b>	17-2041	Chemical Engineers	
	17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	
	17-2171	Petroleum Engineers	
	19-1099	Life Scientists, All Other	
	19-2032	Materials Scientists	
	21-2021	Directors, Religious Activities and Education	
	21-2099	Religious Workers, All Other	
	29-1125	Recreational Therapists	
	29-1141	Registered Nurses	
	43-9111	Statistical Assistants	
	<b>Master's degree</b>	19-3094	Political Scientists
		21-2011	Clergy
		25-4011	Archivists
29-1071		Physician Assistants	
29-1151		Nurse Anesthetists	
29-1171		Nurse Practitioners	
<b>Doctoral or professional degree</b>	19-1021	Biochemists and Biophysicists	
	19-2012	Physicists	
	25-1041	Agricultural Sciences Teachers, Postsecondary	
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
	25-1067	Sociology Teachers, Postsecondary	
	25-1113	Social Work Teachers, Postsecondary	
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary	
	29-1215	Family Medicine Physicians	
	29-1243	Pediatric Surgeons	

Workforce Region 23 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	51-3023	Slaughterers and Meat Packers	
	53-7041	Hoist and Winch Operators	
High school diploma or equivalent	31-1120	Home Health and Personal Care Aides	
	41-9012	Models	
	43-4021	Correspondence Clerks	
	45-4023	Log Graders and Scalers	
	47-4051	Highway Maintenance Workers	
	47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	
	51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	
	51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
	51-4051	Metal-Refining Furnace Operators and Tenders	
	51-4194	Tool Grinders, Filers, and Sharpeners	
	51-6061	Textile Bleaching and Dyeing Machine 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	
	51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	
	51-6092	Fabric and Apparel Patternmakers	
	51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	
	53-4011	Locomotive Engineers	
	53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	
	53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers	
	53-6099	Transportation Workers, All Other	
Some college, no degree	27-2032	Choreographers	
	33-2022	Forest Fire Inspectors and Prevention Specialists	
Postsecondary nondegree award	29-2061	Licensed Practical and Licensed Vocational Nurses	
	29-2092	Hearing Aid Specialists	
	31-1131	Nursing Assistants	
	31-2022	Physical Therapist Aides	
	35-2013	Cooks, Private Household	
	45-4011	Forest and Conservation Workers	
	51-4111	Tool and Die Makers	
	51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	
	51-8021	Stationary Engineers and Boiler Operators	
	19-4071	Forest and Conservation Technicians	
Associate's degree	29-2031	Cardiovascular Technologists and Technicians	
	29-2033	Nuclear Medicine Technologists	
	29-2035	Magnetic Resonance Imaging Technologists	
	49-9081	Wind Turbine Service Technicians	
	17-2041	Chemical Engineers	
Bachelor's degree	17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	
	17-2171	Petroleum Engineers	
	19-1031	Conservation Scientists	
	19-1099	Life Scientists, All Other	
	19-2031	Chemists	
	19-2032	Materials Scientists	
	19-2042	Geoscientists, Except Hydrologists and Geographers	
	21-2021	Directors, Religious Activities and Education	
	29-1125	Recreational Therapists	
	29-1141	Registered Nurses	
	43-9111	Statistical Assistants	
	Master's degree	15-2041	Statisticians
		19-1011	Animal Scientists
		19-1022	Microbiologists
		19-3011	Economists
19-3093		Historians	
21-2011		Clergy	
25-4011		Archivists	
29-1071		Physician Assistants	
29-1151		Nurse Anesthetists	
29-1171		Nurse Practitioners	
Doctoral or professional degree	19-1021	Biochemists and Biophysicists	
	19-2012	Physicists	
	25-1041	Agricultural Sciences Teachers, Postsecondary	
	25-1053	Environmental Science Teachers, Postsecondary	
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
	25-1067	Sociology Teachers, Postsecondary	
	25-1113	Social Work Teachers, Postsecondary	
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary	
	29-1215	Family Medicine Physicians	

Workforce Region 24 - Occupational Areas of Concern by Educational Requirement

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>	
<b>No formal educational credential</b>	35-9099	Food Preparation and Serving Related Workers, All Other	
	45-2091	Agricultural Equipment Operators	
	45-2099	Agricultural Workers, All Other	
	51-3022	Meat, Poultry, and Fish Cutters and Trimmers	
	51-3023	Slaughterers and Meat Packers	
	51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	
<b>High school diploma or equivalent</b>	51-6051	Sewers, Hand	
	11-9131	Postmasters and Mail Superintendents	
	27-2031	Dancers	
	31-1120	Home Health and Personal Care Aides	
	31-1133	Psychiatric Aides	
	33-3041	Parking Enforcement Workers	
	39-3099	Entertainment Attendants and Related Workers, All Other	
	39-7010	Tour and Travel Guides	
	41-9012	Models	
	43-4141	New Accounts Clerks	
	45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	
	45-4021	Fallers	
	45-4022	Logging Equipment Operators	
	47-2132	Insulation Workers, Mechanical	
	47-4051	Highway Maintenance Workers	
	47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	
	49-3041	Farm Equipment Mechanics and Service Technicians	
	49-3091	Bicycle Repairers	
	49-9063	Musical Instrument Repairers and Tuners	
	51-2031	Engine and Other Machine Assemblers	
	51-2041	Structural Metal Fabricators and Fitters	
	51-3093	Food Cooking Machine Operators and Tenders	
	51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	
	51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
	51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
	51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	
	51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	
	51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	
	51-6099	Textile, Apparel, and Furnishings Workers, All Other	
	51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	
	51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	
	51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	
	51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	
	51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	
	53-1041	Aircraft Cargo Handling Supervisors	
	53-5011	Sailors and Marine Oilers	
	53-6051	Transportation Inspectors	
	53-6061	Passenger Attendants	
	53-7072	Pump Operators, Except Wellhead Pumpers	
	<b>Some college, no degree</b>	27-2032	Choreographers
		27-2042	Musicians and Singers
33-2022		Forest Fire Inspectors and Prevention Specialists	
39-9041		Residential Advisors	
53-2022		Airfield Operations Specialists	
<b>Postsecondary nondegree award</b>	29-2061	Licensed Practical and Licensed Vocational Nurses	
	29-2092	Hearing Aid Specialists	
	31-1131	Nursing Assistants	
	31-2022	Physical Therapist Aides	
	35-2013	Cooks, Private Household	
	45-4011	Forest and Conservation Workers	
	49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	
	51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	
	51-4111	Tool and Die Makers	
	51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	
	51-8021	Stationary Engineers and Boiler Operators	
	51-8099	Plant and System Operators, All Other	
	53-5022	Motorboat Operators	
	<b>Associate's degree</b>	17-3021	Aerospace Engineering and Operations Technologists and Technicians
		17-3027	Mechanical Engineering Technologists and Technicians
19-4012		Agricultural Technicians	
19-4071		Forest and Conservation Technicians	
29-2031		Cardiovascular Technologists and Technicians	
29-2033		Nuclear Medicine Technologists	
29-2035		Magnetic Resonance Imaging Technologists	
49-2021		Radio, Cellular, and Tower Equipment Installers and Repairers	
49-9081		Wind Turbine Service Technicians	
51-9162		Computer Numerically Controlled Tool Programmers	
53-6041		Traffic Technicians	

**Workforce Region 24 - Occupational Areas of Concern by Educational Requirement**

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>	
<b>Bachelor's degree</b>	11-2033	Fundraising Managers	
	11-3111	Compensation and Benefits Managers	
	11-9013	Farmers, Ranchers, and Other Agricultural Managers	
	13-1075	Labor Relations Specialists	
	15-1243	Database Architects	
	15-2011	Actuaries	
	17-2031	Bioengineers and Biomedical Engineers	
	17-2041	Chemical Engineers	
	17-2061	Computer Hardware Engineers	
	17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	
	17-2171	Petroleum Engineers	
	19-1013	Soil and Plant Scientists	
	19-1031	Conservation Scientists	
	19-1099	Life Scientists, All Other	
	19-2031	Chemists	
	19-2043	Hydrologists	
	19-3099	Social Scientists and Related Workers, All Other	
	19-4021	Biological Technicians	
	19-4061	Social Science Research Assistants	
	21-1094	Community Health Workers	
	21-2021	Directors, Religious Activities and Education	
	21-2099	Religious Workers, All Other	
	25-2057	Special Education Teachers, Middle School	
	25-9099	Educational Instruction and Library Workers, All Other	
	27-1027	Set and Exhibit Designers	
	27-1029	Designers, All Other	
	29-1125	Recreational Therapists	
	29-1141	Registered Nurses	
	43-9111	Statistical Assistants	
	<b>Master's degree</b>	11-9039	Education Administrators, All Other
		19-3094	Political Scientists
		21-2011	Clergy
		25-4011	Archivists
		25-9021	Farm and Home Management Educators
		29-1071	Physician Assistants
		29-1151	Nurse Anesthetists
		29-1171	Nurse Practitioners
		29-1299	Healthcare Diagnosing or Treating Practitioners, All Other
29-2091		Orthotists and Prosthetists	
<b>Doctoral or professional degree</b>	19-2012	Physicists	
	25-1041	Agricultural Sciences Teachers, Postsecondary	
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
	25-1113	Social Work Teachers, Postsecondary	
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary	
	29-1181	Audiologists	
	29-1215	Family Medicine Physicians	
	29-1221	Pediatricians, General	
	29-1241	Ophthalmologists, Except Pediatric	

**Workforce Region 26 - Occupational Areas of Concern by Educational Requirement**

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>	
<b>High school diploma or equivalent</b>	31-1120	Home Health and Personal Care Aides	
	45-4023	Log Graders and Scalers	
	47-4051	Highway Maintenance Workers	
	47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	
	51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	
	51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	
<b>Some college, no degree</b>	39-9041	Residential Advisors	
<b>Postsecondary nondegree award</b>	29-2061	Licensed Practical and Licensed Vocational Nurses	
	31-1131	Nursing Assistants	
	35-2013	Cooks, Private Household	
	45-4011	Forest and Conservation Workers	
	51-4111	Tool and Die Makers	
	51-8021	Stationary Engineers and Boiler Operators	
<b>Associate's degree</b>	19-4071	Forest and Conservation Technicians	
	29-2031	Cardiovascular Technologists and Technicians	
	29-2033	Nuclear Medicine Technologists	
	29-2035	Magnetic Resonance Imaging Technologists	
	<b>Bachelor's degree</b>	13-1075	Labor Relations Specialists
17-2041		Chemical Engineers	
17-2151		Mining and Geological Engineers, Including Mining Safety Engineers	
17-2171		Petroleum Engineers	
19-2031		Chemists	
21-2021		Directors, Religious Activities and Education	
25-2057		Special Education Teachers, Middle School	
29-1125		Recreational Therapists	
29-1141		Registered Nurses	
43-9111		Statistical Assistants	
<b>Master's degree</b>		19-1022	Microbiologists
		19-3094	Political Scientists
		21-2011	Clergy
	25-4011	Archivists	
	29-1071	Physician Assistants	
	29-1151	Nurse Anesthetists	
	29-1171	Nurse Practitioners	
<b>Doctoral or professional degree</b>	19-1021	Biochemists and Biophysicists	
	19-2012	Physicists	
	25-1041	Agricultural Sciences Teachers, Postsecondary	
	25-1053	Environmental Science Teachers, Postsecondary	
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
	25-1067	Sociology Teachers, Postsecondary	
	25-1113	Social Work Teachers, Postsecondary	
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary	
	29-1215	Family Medicine Physicians	

**Workforce Region 27 - Occupational Areas of Concern by Educational Requirement**

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>	
<b>No formal educational credential</b>	35-9099	Food Preparation and Serving Related Workers, All Other	
	51-3099	Food Processing Workers, All Other	
<b>High school diploma or equivalent</b>	31-1120	Home Health and Personal Care Aides	
	39-7010	Tour and Travel Guides	
	45-4021	Fallers	
	47-2132	Insulation Workers, Mechanical	
	47-4051	Highway Maintenance Workers	
	47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	
	51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	
	51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
	51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
	51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
	51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	
	51-6061	Textile Bleaching and Dyeing Machine 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	
	51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	
	51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	
53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firers		
53-5011	Sailors and Marine Oilers		
<b>Some college, no degree</b>	27-2032	Choreographers	
	39-9041	Residential Advisors	
<b>Postsecondary nondegree award</b>	29-2061	Licensed Practical and Licensed Vocational Nurses	
	29-2092	Hearing Aid Specialists	
	31-1131	Nursing Assistants	
	31-2022	Physical Therapist Aides	
	35-2013	Cooks, Private Household	
	45-4011	Forest and Conservation Workers	
	51-4111	Tool and Die Makers	
	51-8021	Stationary Engineers and Boiler Operators	
<b>Associate's degree</b>	19-4071	Forest and Conservation Technicians	
	29-2031	Cardiovascular Technologists and Technicians	
	29-2033	Nuclear Medicine Technologists	
	29-2035	Magnetic Resonance Imaging Technologists	
	49-9081	Wind Turbine Service Technicians	
<b>Bachelor's degree</b>	11-2033	Fundraising Managers	
	13-1075	Labor Relations Specialists	
	15-1243	Database Architects	
	17-2041	Chemical Engineers	
	17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	
	17-2171	Petroleum Engineers	
	19-1099	Life Scientists, All Other	
	19-2031	Chemists	
	19-2032	Materials Scientists	
	19-2099	Physical Scientists, All Other	
	21-2021	Directors, Religious Activities and Education	
	21-2099	Religious Workers, All Other	
	25-4013	Museum Technicians and Conservators	
	29-1125	Recreational Therapists	
	29-1141	Registered Nurses	
	43-9111	Statistical Assistants	
	<b>Master's degree</b>	15-2041	Statisticians
		19-1011	Animal Scientists
19-1022		Microbiologists	
19-3094		Political Scientists	
21-2011		Clergy	
25-4011		Archivists	
29-1071		Physician Assistants	
29-1151		Nurse Anesthetists	
29-1171		Nurse Practitioners	
<b>Doctoral or professional degree</b>		19-1021	Biochemists and Biophysicists
	19-2012	Physicists	
	25-1041	Agricultural Sciences Teachers, Postsecondary	
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
	25-1067	Sociology Teachers, Postsecondary	
	25-1113	Social Work Teachers, Postsecondary	
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary	
	29-1215	Family Medicine Physicians	

Workforce Region 28 - Occupational Areas of Concern by Educational Requirement

<b>Educational Requirement</b>	<b>SOC Code</b>	<b>SOC Title</b>	
<b>No formal educational credential</b>	51-3023	Slaughterers and Meat Packers	
	51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	
	53-7041	Hoist and Winch Operators	
<b>High school diploma or equivalent</b>	31-1120	Home Health and Personal Care Aides	
	43-4021	Correspondence Clerks	
	45-4021	Fallers	
	45-4023	Log Graders and Scalers	
	47-4051	Highway Maintenance Workers	
	47-5032	Explosives Workers, Ordnance Handling Experts, and Blasters	
	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	
	51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
	51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
	51-4071	Foundry Mold and Coremakers	
	51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	
	51-6061	Textile Bleaching and Dyeing Machine 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	
	51-6092	Fabric and Apparel Patternmakers	
	51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	
	51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	
	51-9151	Photographic Process Workers and Processing Machine Operators	
	51-9191	Adhesive Bonding Machine Operators and Tenders	
	53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	
	53-4031	Railroad Conductors and Yardmasters	
	53-5011	Sailors and Marine Oilers	
	53-7071	Gas Compressor and Gas Pumping Station Operators	
	<b>Some college, no degree</b>	27-2032	Choreographers
		19-5012	Occupational Health and Safety Technicians
	<b>Postsecondary nondegree award</b>	29-2061	Licensed Practical and Licensed Vocational Nurses
29-2092		Hearing Aid Specialists	
31-1131		Nursing Assistants	
31-2022		Physical Therapist Aides	
33-9011		Animal Control Workers	
35-2013		Cooks, Private Household	
45-4011		Forest and Conservation Workers	
51-4111		Tool and Die Makers	
51-4122		Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	
51-8021		Stationary Engineers and Boiler Operators	
<b>Associate's degree</b>		19-4012	Agricultural Technicians
		19-4071	Forest and Conservation Technicians
		29-2031	Cardiovascular Technologists and Technicians
		29-2033	Nuclear Medicine Technologists
		29-2035	Magnetic Resonance Imaging Technologists
	49-9081	Wind Turbine Service Technicians	
	51-8091	Chemical Plant and System Operators	
<b>Bachelor's degree</b>	17-2021	Agricultural Engineers	
	17-2041	Chemical Engineers	
	17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	
	17-2161	Nuclear Engineers	
	17-2171	Petroleum Engineers	
	19-1012	Food Scientists and Technologists	
	19-1013	Soil and Plant Scientists	
	19-1031	Conservation Scientists	
	19-1099	Life Scientists, All Other	
	19-2031	Chemists	
	19-2032	Materials Scientists	
	19-2042	Geoscientists, Except Hydrologists and Geographers	
	19-2099	Physical Scientists, All Other	
	21-2021	Directors, Religious Activities and Education	
	21-2099	Religious Workers, All Other	
	25-4013	Museum Technicians and Conservators	
	29-1125	Recreational Therapists	
	29-1141	Registered Nurses	
	43-9111	Statistical Assistants	



<b>Master's degree</b>	15-2041	Statisticians	
	19-1022	Microbiologists	
	19-3011	Economists	
	19-3091	Anthropologists and Archeologists	
	19-3094	Political Scientists	
	21-2011	Clergy	
	25-4011	Archivists	
	29-1071	Physician Assistants	
	29-1151	Nurse Anesthetists	
	29-1171	Nurse Practitioners	
	<b>Doctoral or professional degree</b>	19-1021	Biochemists and Biophysicists
		19-2012	Physicists
		25-1041	Agricultural Sciences Teachers, Postsecondary
		25-1053	Environmental Science Teachers, Postsecondary
25-1062		Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
25-1067		Sociology Teachers, Postsecondary	
25-1113		Social Work Teachers, Postsecondary	
25-1193		Recreation and Fitness Studies Teachers, Postsecondary	
29-1215		Family Medicine Physicians	