

Summary of Results

Local Workforce Development Boards		Occupational Areas of Concern
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Workforce Region 1 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	35-3041	Food Servers, Nonrestaurant	
	37-2019	Building Cleaning Workers, All Other	
	39-3021	Motion Picture Projectionists	
	39-3031	Ushers, Lobby Attendants, and Ticket Takers	
	39-5093	Shampooers	
	41-9011	Demonstrators and Product Promoters	
	47-3012	Helpers--Carpenters	
	47-3016	Helpers--Roofers	
	47-5013	Service Unit Operators, Oil and Gas	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	53-5011	Sailors and Marine Oilers	
	53-6021	Parking Attendants	
	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	
	High school diploma or equivalent	21-1094	Community Health Workers
		27-1023	Floral Designers
		27-2032	Choreographers
27-4021		Photographers	
29-2092		Hearing Aid Specialists	
31-1120		Home Health and Personal Care Aides	
31-2012		Occupational Therapy Aides	
33-3011		Bailiffs	
37-3013		Tree Trimmers and Pruners	
39-3011		Gambling Dealers	
39-3093		Locker Room, Coatroom, and Dressing Room Attendants	
39-4021		Funeral Attendants	
39-6012		Concierges	
39-7010		Tour and Travel Guides	
39-9041		Residential Advisors	
41-3041		Travel Agents	
43-2011		Switchboard Operators, Including Answering Service	
43-4111		Interviewers, Except Eligibility and Loan	
47-2171		Reinforcing Iron and Rebar Workers	
51-2041		Structural Metal Fabricators and Fitters	
51-4032		Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-6092		Fabric and Apparel Patternmakers	
51-7099		Woodworkers, All Other	
51-8091		Chemical Plant and System Operators	
51-9023		Mixing and Blending Machine Setters, Operators, and Tenders	
51-9111		Packaging and Filling Machine Operators and Tenders	
51-9194		Etchers and Engravers	
Postsecondary nondegree award		29-2061	Licensed Practical and Licensed Vocational Nurses
	31-1131	Nursing Assistants	
	35-2013	Cooks, Private Household	
	39-5012	Hairdressers, Hairstylists, and Cosmetologists	
	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	
	49-2097	Audiovisual Equipment Installers and Repairers	
	53-5031	Ship Engineers	
Associate's degree	17-3025	Environmental Engineering Technologists and Technicians	
	19-4031	Chemical Technicians	
	27-4012	Broadcast Technicians	
	29-2031	Cardiovascular Technologists and Technicians	
	29-2033	Nuclear Medicine Technologists	
	29-2035	Magnetic Resonance Imaging Technologists	
Bachelor's degree	29-2051	Dietetic Technicians	
	11-1011	Chief Executives	
	17-2161	Nuclear Engineers	
	19-4021	Biological Technicians	
	25-4013	Museum Technicians and Conservators	
	27-1027	Set and Exhibit Designers	
	27-1029	Designers, All Other	
	29-1125	Recreational Therapists	
	29-1129	Therapists, All Other	
	29-1141	Registered Nurses	
	Master's degree	19-3039	Psychologists, All Other
19-3093		Historians	
25-4011		Archivists	
25-4012		Curators	
29-1071		Physician Assistants	
29-1151		Nurse Anesthetists	
Doctoral or professional degree	29-1171	Nurse Practitioners	
	25-1011	Business Teachers, Postsecondary	
	25-1053	Environmental Science Teachers, Postsecondary	
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
	25-1069	Social Sciences Teachers, Postsecondary, All Other	
	25-1122	Communications Teachers, Postsecondary	
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary	
	25-1199	Postsecondary Teachers, All Other	
29-1215	Family Medicine Physicians		

Workforce Region 2 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	27-1019	Artists and Related Workers, All Other	
	27-2031	Dancers	
	33-9091	Crossing Guards and Flaggers	
	35-3041	Food Servers, Nonrestaurant	
	37-2019	Building Cleaning Workers, All Other	
	39-3021	Motion Picture Projectionists	
	39-3031	Ushers, Lobby Attendants, and Ticket Takers	
	41-9011	Demonstrators and Product Promoters	
	47-3016	Helpers--Roofers	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	53-3054	Taxi Drivers	
	53-5011	Sailors and Marine Oilers	
	53-6021	Parking Attendants	
	53-7061	Cleaners of Vehicles and Equipment	
	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	
	High school diploma or equivalent	11-9071	Gambling Managers
		11-9081	Lodging Managers
21-1094		Community Health Workers	
27-1023		Floral Designers	
27-2023		Umpires, Referees, and Other Sports Officials	
27-4021		Photographers	
31-1120		Home Health and Personal Care Aides	
33-3011		Bailiffs	
33-9021		Private Detectives and Investigators	
37-3013		Tree Trimmers and Pruners	
39-3011		Gambling Dealers	
39-3093		Locker Room, Coatroom, and Dressing Room Attendants	
39-6012		Concierges	
39-7010		Tour and Travel Guides	
39-9041		Residential Advisors	
43-2011		Switchboard Operators, Including Answering Service	
43-4111		Interviewers, Except Eligibility and Loan	
47-2171		Reinforcing Iron and Rebar Workers	
51-2041		Structural Metal Fabricators and Fitters	
51-3092		Food Batchmakers	
51-4032		Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-5112		Printing Press Operators	
51-6092		Fabric and Apparel Patternmakers	
51-7011		Cabinetmakers and Bench Carpenters	
51-7099		Woodworkers, All Other	
51-8091		Chemical Plant and System Operators	
51-9023		Mixing and Blending Machine Setters, Operators, and Tenders	
51-9111		Packaging and Filling Machine Operators and Tenders	
51-9194		Etchers and Engravers	
51-9198		Helpers--Production Workers	
Some college, no degree	43-4151	Order Clerks	
	29-2061	Licensed Practical and Licensed Vocational Nurses	
Postsecondary nondegree award	31-1131	Nursing Assistants	
	31-9011	Massage Therapists	
	35-2013	Cooks, Private Household	
	39-5012	Hairdressers, Hairstylists, and Cosmetologists	
	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	
	49-2097	Audiovisual Equipment Installers and Repairers	
	53-5021	Captains, Mates, and Pilots of Water Vessels	
	53-5031	Ship Engineers	
	Associate's degree	17-3026	Industrial Engineering Technologists and Technicians
		17-3027	Mechanical Engineering Technologists and Technicians
19-4031		Chemical Technicians	
27-4012		Broadcast Technicians	
29-2031		Cardiovascular Technologists and Technicians	
29-2033		Nuclear Medicine Technologists	
29-2035		Magnetic Resonance Imaging Technologists	
29-2051		Dietetic Technicians	
49-2091		Avionics Technicians	
Bachelor's degree		11-1011	Chief Executives
	11-9039	Education Administrators, All Other	
	17-1012	Landscape Architects	
	17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	
	19-1023	Zoologists and Wildlife Biologists	
	19-4021	Biological Technicians	
	25-2021	Elementary School Teachers, Except Special Education	
	25-4013	Museum Technicians and Conservators	
	27-1027	Set and Exhibit Designers	
	27-1029	Designers, All Other	
	29-1129	Therapists, All Other	
	29-1141	Registered Nurses	
	Master's degree	19-3039	Psychologists, All Other
		19-3093	Historians
		19-3094	Political Scientists
25-4011		Archivists	
25-4012		Curators	
29-1071		Physician Assistants	
29-1127		Speech-Language Pathologists	
29-1151		Nurse Anesthetists	
29-1171		Nurse Practitioners	
Doctoral or professional degree		19-3033	Clinical and Counseling Psychologists
	25-1011	Business Teachers, Postsecondary	
	25-1069	Social Sciences Teachers, Postsecondary, All Other	
	25-1122	Communications Teachers, Postsecondary	
	25-1199	Postsecondary Teachers, All Other	
	29-1214	Emergency Medicine Physicians	
	29-1215	Family Medicine Physicians	
	29-1221	Pediatricians, General	

Workforce Region 3 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	39-3031	Ushers, Lobby Attendants, and Ticket Takers	
	41-9011	Demonstrators and Product Promoters	
	47-3016	Helpers--Roofers	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	53-5011	Sailors and Marine Oilers	
High school diploma or equivalent	27-2023	Umpires, Referees, and Other Sports Officials	
	27-4021	Photographers	
	31-1120	Home Health and Personal Care Aides	
	33-3011	Bailiffs	
	37-3013	Tree Trimmers and Pruners	
	39-3011	Gambling Dealers	
	39-6012	Concierges	
	39-7010	Tour and Travel Guides	
	39-9041	Residential Advisors	
	41-3041	Travel Agents	
	47-2171	Reinforcing Iron and Rebar Workers	
	51-2041	Structural Metal Fabricators and Fitters	
	Postsecondary nondegree award	35-2013	Cooks, Private Household
		Associate's degree	17-3025
27-4012	Broadcast Technicians		
Bachelor's degree	29-2051	Dietetic Technicians	
	27-1029	Designers, All Other	
	29-1129	Therapists, All Other	
Master's degree	25-4012	Curators	
Doctoral or professional degree	25-1011	Business Teachers, Postsecondary	
	25-1069	Social Sciences Teachers, Postsecondary, All Other	
	25-1122	Communications Teachers, Postsecondary	
	25-1199	Postsecondary Teachers, All Other	

Workforce Region 4 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title
No formal educational credential	37-2019	Building Cleaning Workers, All Other
	37-3019	Grounds Maintenance Workers, All Other
	41-9011	Demonstrators and Product Promoters
	47-3016	Helpers--Roofers
	51-6052	Tailors, Dressmakers, and Custom Sewers
	53-5011	Sailors and Marine Oilers
	53-6021	Parking Attendants
High school diploma or equivalent	21-1094	Community Health Workers
	27-4021	Photographers
	31-1120	Home Health and Personal Care Aides
	33-3011	Bailiffs
	37-3013	Tree Trimmers and Pruners
	39-3011	Gambling Dealers
	39-3093	Locker Room, Coatroom, and Dressing Room Attendants
	39-6012	Concierges
	39-7010	Tour and Travel Guides
	39-9041	Residential Advisors
	41-3041	Travel Agents
	43-3041	Gambling Cage Workers
	43-4111	Interviewers, Except Eligibility and Loan
	47-2171	Reinforcing Iron and Rebar Workers
	51-2041	Structural Metal Fabricators and Fitters
	51-7099	Woodworkers, All Other
	51-8091	Chemical Plant and System Operators
	51-9023	Mixing and Blending Machine Setters, Operators, and Tenders
	51-9111	Packaging and Filling Machine Operators and Tenders
Postsecondary nondegree award	31-1131	Nursing Assistants
	35-2013	Cooks, Private Household
	39-5012	Hairdressers, Hairstylists, and Cosmetologists
	49-2097	Audiovisual Equipment Installers and Repairers
	53-5021	Captains, Mates, and Pilots of Water Vessels
	53-5031	Ship Engineers
Associate's degree	17-3025	Environmental Engineering Technologists and Technicians
	19-4044	Hydrologic Technicians
	27-4012	Broadcast Technicians
	29-2035	Magnetic Resonance Imaging Technologists
	29-2051	Dietetic Technicians
Bachelor's degree	19-1023	Zoologists and Wildlife Biologists
	27-1027	Set and Exhibit Designers
	27-1029	Designers, All Other
	29-1129	Therapists, All Other
	29-1141	Registered Nurses
Master's degree	19-3039	Psychologists, All Other
	25-4011	Archivists
	25-4012	Curators
	29-1071	Physician Assistants
	29-1151	Nurse Anesthetists
	29-1171	Nurse Practitioners
Doctoral or professional degree	25-1011	Business Teachers, Postsecondary
	25-1069	Social Sciences Teachers, Postsecondary, All Other
	25-1122	Communications Teachers, Postsecondary
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary

Workforce Region 5 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	39-3021	Motion Picture Projectionists	
	39-3031	Ushers, Lobby Attendants, and Ticket Takers	
	41-9011	Demonstrators and Product Promoters	
	47-3016	Helpers--Roofers	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	53-5011	Sailors and Marine Oilers	
	53-6021	Parking Attendants	
High school diploma or equivalent	21-1094	Community Health Workers	
	27-2023	Umpires, Referees, and Other Sports Officials	
	27-2032	Choreographers	
	27-4021	Photographers	
	31-1120	Home Health and Personal Care Aides	
	31-2012	Occupational Therapy Aides	
	33-3011	Bailiffs	
	37-3013	Tree Trimmers and Pruners	
	39-6012	Concierges	
	39-7010	Tour and Travel Guides	
	39-9041	Residential Advisors	
	41-3041	Travel Agents	
	43-2011	Switchboard Operators, Including Answering Service	
	43-3041	Gambling Cage Workers	
	47-2171	Reinforcing Iron and Rebar Workers	
	51-2041	Structural Metal Fabricators and Fitters	
	51-6092	Fabric and Apparel Patternmakers	
	51-7099	Woodworkers, All Other	
	51-8091	Chemical Plant and System Operators	
	51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	
	51-9194	Etchers and Engravers	
	Postsecondary nondegree award	31-1131	Nursing Assistants
		35-2013	Cooks, Private Household
49-2097		Audiovisual Equipment Installers and Repairers	
53-5031		Ship Engineers	
Associate's degree		17-3025	Environmental Engineering Technologists and Technicians
	19-4044	Hydrologic Technicians	
	27-4012	Broadcast 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	17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	
	19-1031	Conservation Scientists	
	19-4021	Biological Technicians	
	25-4013	Museum Technicians and Conservators	
	27-1027	Set and Exhibit Designers	
	27-1029	Designers, All Other	
	29-1129	Therapists, All Other	
	29-1141	Registered Nurses	
Master's degree	19-3039	Psychologists, All Other	
	25-4011	Archivists	
	25-4012	Curators	
	29-1071	Physician Assistants	
	29-1151	Nurse Anesthetists	
	29-1171	Nurse Practitioners	
Doctoral or professional degree	25-1011	Business Teachers, Postsecondary	
	25-1053	Environmental Science Teachers, Postsecondary	
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
	25-1069	Social Sciences Teachers, Postsecondary, All Other	
	25-1122	Communications Teachers, Postsecondary	
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary	
25-1199	Postsecondary Teachers, All Other		

Workforce Region 6 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	37-2019	Building Cleaning Workers, All Other	
	41-9011	Demonstrators and Product Promoters	
	47-3016	Helpers--Roofers	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	53-5011	Sailors and Marine Oilers	
	53-6021	Parking Attendants	
High school diploma or equivalent	21-1094	Community Health Workers	
	27-2023	Umpires, Referees, and Other Sports Officials	
	31-1120	Home Health and Personal Care Aides	
	33-3011	Bailiffs	
	37-3013	Tree Trimmers and Pruners	
	39-3011	Gambling Dealers	
	39-6012	Concierges	
	39-7010	Tour and Travel Guides	
	39-9041	Residential Advisors	
	41-3041	Travel Agents	
	47-2171	Reinforcing Iron and Rebar Workers	
	51-2041	Structural Metal Fabricators and Fitters	
	51-8091	Chemical Plant and System Operators	
	51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	
	Postsecondary nondegree award	35-2013	Cooks, Private Household
	Bachelor's degree	27-1029	Designers, All Other
29-1129		Therapists, All Other	
Master's degree	25-4012	Curators	
	29-1171	Nurse Practitioners	
Doctoral or professional degree	25-1069	Social Sciences Teachers, Postsecondary, All Other	

Workforce Region 7 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title
No formal educational credential	39-3031	Ushers, Lobby Attendants, and Ticket Takers
	41-9011	Demonstrators and Product Promoters
	47-3016	Helpers--Roofers
	51-6052	Tailors, Dressmakers, and Custom Sewers
	53-5011	Sailors and Marine Oilers
	53-6021	Parking Attendants
High school diploma or equivalent	27-2023	Umpires, Referees, and Other Sports Officials
	27-4021	Photographers
	31-1120	Home Health and Personal Care Aides
	33-3011	Bailiffs
	37-3013	Tree Trimmers and Pruners
	39-6012	Concierges
	39-7010	Tour and Travel Guides
	39-9041	Residential Advisors
	41-3041	Travel Agents
	47-2171	Reinforcing Iron and Rebar Workers
	51-2041	Structural Metal Fabricators and Fitters
	51-4194	Tool Grinders, Filers, and Sharpeners
	51-7099	Woodworkers, All Other
	51-8091	Chemical Plant and System Operators
	51-9023	Mixing and Blending Machine Setters, Operators, and Tenders
	Postsecondary nondegree award	31-1131
35-2013		Cooks, Private Household
51-4111		Tool and Die Makers
Bachelor's degree	11-1011	Chief Executives
	27-1029	Designers, All Other
	29-1129	Therapists, All Other
	29-1141	Registered Nurses
Master's degree	19-3039	Psychologists, All Other
	25-4012	Curators
	29-1151	Nurse Anesthetists
Doctoral or professional degree	29-1171	Nurse Practitioners
	25-1011	Business Teachers, Postsecondary
	25-1069	Social Sciences Teachers, Postsecondary, All Other
	25-1122	Communications Teachers, Postsecondary
	25-1199	Postsecondary Teachers, All Other
	29-1215	Family Medicine Physicians

Workforce Region 8 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	27-1019	Artists and Related Workers, All Other	
	27-2031	Dancers	
	33-9091	Crossing Guards and Flaggers	
	35-2019	Cooks, All Other	
	35-3041	Food Servers, Nonrestaurant	
	37-2019	Building Cleaning Workers, All Other	
	39-3021	Motion Picture Projectionists	
	39-3031	Ushers, Lobby Attendants, and Ticket Takers	
	41-9011	Demonstrators and Product Promoters	
	41-9012	Models	
	45-2091	Agricultural Equipment Operators	
	45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	
	47-2043	Floor Sanders and Finishers	
	47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	
	47-3012	Helpers--Carpenters	
	47-3016	Helpers--Roofers	
	47-5013	Service Unit Operators, Oil and Gas	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	53-5011	Sailors and Marine Oilers	
	53-6021	Parking Attendants	
	53-7041	Hoist and Winch Operators	
	53-7061	Cleaners of Vehicles and Equipment	
	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	
	High school diploma or equivalent	11-9071	Gambling Managers
		11-9081	Lodging Managers
		19-5012	Occupational Health and Safety Technicians
		21-1094	Community Health Workers
		27-1023	Floral Designers
		27-2023	Umpires, Referees, and Other Sports Officials
		27-2032	Choreographers
		27-4021	Photographers
		27-4099	Media and Communication Equipment Workers, All Other
		29-2092	Hearing Aid Specialists
31-1120		Home Health and Personal Care Aides	
33-3011		Bailiffs	
33-9011		Animal Control Workers	
33-9021		Private Detectives and Investigators	
37-3013		Tree Trimmers and Pruners	
39-3011		Gambling Dealers	
39-3093		Locker Room, Coatroom, and Dressing Room Attendants	
39-4012		Crematory Operators	
39-4021		Funeral Attendants	
39-6012		Concierges	
39-7010		Tour and Travel Guides	
39-9041		Residential Advisors	
41-3041		Travel Agents	
43-2011		Switchboard Operators, Including Answering Service	
43-3041		Gambling Cage Workers	
43-4111		Interviewers, Except Eligibility and Loan	
47-2121		Glaziers	
47-2171		Reinforcing Iron and Rebar Workers	
49-9011		Mechanical Door Repairers	
49-9063		Musical Instrument Repairers and Tuners	
49-9069		Precision Instrument and Equipment Repairers, All Other	
51-2041		Structural Metal Fabricators and Fitters	
51-4032		Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-4192		Layout Workers, Metal and Plastic	
51-6092		Fabric and Apparel Patternmakers	
51-6093		Upholsterers	
51-7011		Cabinetmakers and Bench Carpenters	
51-7041		Sawing Machine Setters, Operators, and Tenders, Wood	
51-7099		Woodworkers, All Other	
51-8091		Chemical Plant and System Operators	
51-8092		Gas Plant Operators	
51-8099		Plant and System Operators, All Other	
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders		
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders		
51-9111	Packaging and Filling Machine Operators and Tenders		
51-9194	Etchers and Engravers		
51-9197	Tire Builders		
51-9198	Helpers--Production Workers		
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians		
53-4011	Locomotive Engineers		
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers		
53-7031	Dredge Operators		
Some college, no degree	43-4151	Order Clerks	

Workforce Region 8 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
Postsecondary nondegree award	27-4011	Audio and Video Technicians	
	29-2061	Licensed Practical and Licensed Vocational Nurses	
	31-1131	Nursing Assistants	
	31-9011	Massage Therapists	
	35-2013	Cooks, Private Household	
	39-5012	Hairdressers, Hairstylists, and Cosmetologists	
	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	
	49-2097	Audiovisual Equipment Installers and Repairers	
	51-4111	Tool and Die Makers	
	53-5021	Captains, Mates, and Pilots of Water Vessels	
	53-5022	Motorboat Operators	
	53-5031	Ship Engineers	
	Associate's degree	17-3025	Environmental Engineering Technologists and Technicians
17-3026		Industrial Engineering Technologists and Technicians	
17-3027		Mechanical Engineering Technologists and Technicians	
19-4031		Chemical Technicians	
27-4012		Broadcast 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	11-1011	Chief Executives	
	11-2011	Advertising and Promotions Managers	
	11-9161	Emergency Management Directors	
	17-1012	Landscape Architects	
	17-1021	Cartographers and Photogrammetrists	
	17-2031	Bioengineers and Biomedical Engineers	
	17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	
	19-1023	Zoologists and Wildlife Biologists	
	19-1031	Conservation Scientists	
	19-1032	Foresters	
	19-2021	Atmospheric and Space Scientists	
	19-2042	Geoscientists, Except Hydrologists and Geographers	
	19-2043	Hydrologists	
	19-4021	Biological Technicians	
	19-4061	Social Science Research Assistants	
	21-2099	Religious Workers, All Other	
	25-2021	Elementary School Teachers, Except Special Education	
	25-4013	Museum Technicians and Conservators	
	27-1022	Fashion Designers	
	27-1027	Set and Exhibit Designers	
	27-1029	Designers, All Other	
	27-3011	Broadcast Announcers and Radio Disc Jockeys	
	29-1125	Recreational Therapists	
	29-1129	Therapists, All Other	
	29-1141	Registered Nurses	
	33-3031	Fish and Game Wardens	
	43-9081	Proofreaders and Copy Markers	
	43-9111	Statistical Assistants	
	45-2011	Agricultural Inspectors	
	Master's degree	19-3011	Economists
		19-3039	Psychologists, All Other
		25-4011	Archivists
		25-4012	Curators
29-1071		Physician Assistants	
29-1127		Speech-Language Pathologists	
29-1151		Nurse Anesthetists	
29-1161		Nurse Midwives	
29-1171		Nurse Practitioners	
Doctoral or professional degree		23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers
	25-1011	Business Teachers, Postsecondary	
	25-1053	Environmental Science Teachers, Postsecondary	
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
	25-1069	Social Sciences Teachers, Postsecondary, All Other	
	25-1122	Communications Teachers, Postsecondary	
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary	
	25-1199	Postsecondary Teachers, All Other	
	29-1022	Oral and Maxillofacial Surgeons	
	29-1029	Dentists, All Other Specialists	
	29-1181	Audiologists	
	29-1213	Dermatologists	
	29-1215	Family Medicine Physicians	
	29-1217	Neurologists	

Workforce Region 9 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	35-3041	Food Servers, Nonrestaurant	
	37-2019	Building Cleaning Workers, All Other	
	39-3031	Ushers, Lobby Attendants, and Ticket Takers	
	41-9011	Demonstrators and Product Promoters	
	41-9012	Models	
	47-3016	Helpers--Roofers	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	53-5011	Sailors and Marine Oilers	
	53-6021	Parking Attendants	
	High school diploma or equivalent	21-1094	Community Health Workers
27-2023		Umpires, Referees, and Other Sports Officials	
27-2032		Choreographers	
27-4021		Photographers	
31-1120		Home Health and Personal Care Aides	
31-2012		Occupational Therapy Aides	
33-3011		Bailiffs	
37-3013		Tree Trimmers and Pruners	
39-3093		Locker Room, Coatroom, and Dressing Room Attendants	
39-6012		Concierges	
39-7010		Tour and Travel Guides	
39-9041		Residential Advisors	
41-3041		Travel Agents	
43-2011		Switchboard Operators, Including Answering Service	
43-3041		Gambling Cage Workers	
43-4111		Interviewers, Except Eligibility and Loan	
47-2171		Reinforcing Iron and Rebar Workers	
47-5099		Extraction Workers, All Other	
51-2041		Structural Metal Fabricators and Fitters	
51-6092		Fabric and Apparel Patternmakers	
51-7099		Woodworkers, All Other	
51-8091		Chemical Plant and System Operators	
51-9023		Mixing and Blending Machine Setters, Operators, and Tenders	
51-9194		Etchers and Engravers	
Postsecondary nondegree award		29-2061	Licensed Practical and Licensed Vocational Nurses
	31-1131	Nursing Assistants	
	35-2013	Cooks, Private Household	
	39-5012	Hairdressers, Hairstylists, and Cosmetologists	
	49-2097	Audiovisual Equipment Installers and Repairers	
Associate's degree	17-3025	Environmental Engineering Technologists and Technicians	
	27-4012	Broadcast Technicians	
	29-2031	Cardiovascular Technologists and Technicians	
	29-2033	Nuclear Medicine Technologists	
	29-2035	Magnetic Resonance Imaging Technologists	
Bachelor's degree	29-2051	Dietetic Technicians	
	11-1011	Chief Executives	
	17-2161	Nuclear Engineers	
	19-1023	Zoologists and Wildlife Biologists	
	19-1031	Conservation Scientists	
	19-4021	Biological Technicians	
	25-4013	Museum Technicians and Conservators	
	27-1027	Set and Exhibit Designers	
	27-1029	Designers, All Other	
	29-1125	Recreational Therapists	
	29-1129	Therapists, All Other	
	29-1141	Registered Nurses	
	Master's degree	19-3039	Psychologists, All Other
		19-3093	Historians
		25-4011	Archivists
25-4012		Curators	
29-1071		Physician Assistants	
Doctoral or professional degree	29-1151	Nurse Anesthetists	
	29-1171	Nurse Practitioners	
	29-9092	Genetic Counselors	
	25-1011	Business Teachers, Postsecondary	
	25-1053	Environmental Science Teachers, Postsecondary	
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
	25-1069	Social Sciences Teachers, Postsecondary, All Other	
	25-1122	Communications Teachers, Postsecondary	
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary	
	25-1199	Postsecondary Teachers, All Other	
29-1215	Family Medicine Physicians		

Workforce Region 10 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	27-2031	Dancers	
	35-3041	Food Servers, Nonrestaurant	
	37-2019	Building Cleaning Workers, All Other	
	39-3031	Ushers, Lobby Attendants, and Ticket Takers	
	41-9011	Demonstrators and Product Promoters	
	45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	
	47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	
	47-3012	Helpers--Carpenters	
	47-3016	Helpers--Roofers	
	47-5012	Rotary Drill Operators, Oil and Gas	
	47-5013	Service Unit Operators, Oil and Gas	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	51-9031	Cutters and Trimmers, Hand	
	53-5011	Sailors and Marine Oilers	
	53-6021	Parking Attendants	
	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	
	High school diploma or equivalent	11-9071	Gambling Managers
		21-1094	Community Health Workers
		27-1023	Floral Designers
		27-4021	Photographers
31-1120		Home Health and Personal Care Aides	
31-2012		Occupational Therapy Aides	
33-3011		Bailiffs	
37-3013		Tree Trimmers and Pruners	
39-3011		Gambling Dealers	
39-3093		Locker Room, Coatroom, and Dressing Room Attendants	
39-4021		Funeral Attendants	
39-6012		Concierges	
39-7010		Tour and Travel Guides	
39-9041		Residential Advisors	
41-3041		Travel Agents	
43-2011		Switchboard Operators, Including Answering Service	
43-4111		Interviewers, Except Eligibility and Loan	
47-2171		Reinforcing Iron and Rebar Workers	
49-9011		Mechanical Door Repairers	
51-2041		Structural Metal Fabricators and Fitters	
51-4032		Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-6092		Fabric and Apparel Patternmakers	
51-7041		Sawing Machine Setters, Operators, and Tenders, Wood	
51-7099		Woodworkers, All Other	
51-8091		Chemical Plant and System Operators	
51-9023		Mixing and Blending Machine Setters, Operators, and Tenders	
51-9111		Packaging and Filling Machine Operators and Tenders	
51-9194		Etchers and Engravers	
Some college, no degree		43-4151	Order Clerks
		Postsecondary nondegree award	31-1131
31-9011	Massage Therapists		
35-2013	Cooks, Private Household		
39-5012	Hairdressers, Hairstylists, and Cosmetologists		
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers		
49-2097	Audiovisual Equipment Installers and Repairers		
53-5031	Ship Engineers		
Associate's degree	17-3022		Civil Engineering Technologists and Technicians
	17-3026		Industrial Engineering Technologists and Technicians
	29-2031		Cardiovascular Technologists and Technicians
	29-2033	Nuclear Medicine Technologists	
	29-2035	Magnetic Resonance Imaging Technologists	
Bachelor's degree	29-2051	Dietetic Technicians	
	11-1011	Chief Executives	
	19-1023	Zoologists and Wildlife Biologists	
	19-1031	Conservation Scientists	
	25-4013	Museum Technicians and Conservators	
	27-1027	Set and Exhibit Designers	
	27-1029	Designers, All Other	
	27-3091	Interpreters and Translators	
	29-1125	Recreational Therapists	
	29-1129	Therapists, All Other	
	29-1141	Registered Nurses	
	Master's degree	19-3039	Psychologists, All Other
		25-4011	Archivists
		25-4012	Curators
		29-1071	Physician Assistants
29-1151		Nurse Anesthetists	
Doctoral or professional degree	29-1171	Nurse Practitioners	
	25-1011	Business Teachers, Postsecondary	
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
	25-1069	Social Sciences Teachers, Postsecondary, All Other	
	25-1122	Communications Teachers, Postsecondary	
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary	
	25-1199	Postsecondary Teachers, All Other	

Workforce Region 11 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	27-2031	Dancers	
	35-2019	Cooks, All Other	
	35-3041	Food Servers, Nonrestaurant	
	37-2019	Building Cleaning Workers, All Other	
	39-3021	Motion Picture Projectionists	
	39-3031	Ushers, Lobby Attendants, and Ticket Takers	
	41-9011	Demonstrators and Product Promoters	
	47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	
	47-3016	Helpers--Roofers	
	47-5013	Service Unit Operators, Oil and Gas	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	53-5011	Sailors and Marine Oilers	
	53-6021	Parking Attendants	
	53-7061	Cleaners of Vehicles and Equipment	
	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	
	High school diploma or equivalent	11-9071	Gambling Managers
		21-1094	Community Health Workers
27-1023		Floral Designers	
27-2023		Umpires, Referees, and Other Sports Officials	
27-2032		Choreographers	
27-4021		Photographers	
29-2092		Hearing Aid Specialists	
31-1120		Home Health and Personal Care Aides	
33-3011		Bailiffs	
33-9021		Private Detectives and Investigators	
37-3013		Tree Trimmers and Pruners	
39-3011		Gambling Dealers	
39-3093		Locker Room, Coatroom, and Dressing Room Attendants	
39-4021		Funeral Attendants	
39-6012		Concierges	
39-7010		Tour and Travel Guides	
39-9041		Residential Advisors	
43-2011		Switchboard Operators, Including Answering Service	
43-3041		Gambling Cage Workers	
43-4111		Interviewers, Except Eligibility and Loan	
47-2171		Reinforcing Iron and Rebar Workers	
49-9011		Mechanical Door Repairers	
51-2041		Structural Metal Fabricators and Fitters	
51-4032		Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-4192		Layout Workers, Metal and Plastic	
51-6063		Textile Knitting and Weaving Machine Setters, Operators, and Tenders	
51-6092		Fabric and Apparel Patternmakers	
51-6093		Upholsterers	
51-7011		Cabinetmakers and Bench Carpenters	
51-7099		Woodworkers, All Other	
51-8091		Chemical Plant and System Operators	
51-9023		Mixing and Blending Machine Setters, Operators, and Tenders	
51-9111		Packaging and Filling Machine Operators and Tenders	
51-9194	Etchers and Engravers		
53-4041	Subway and Streetcar Operators		
Some college, no degree	43-4151	Order Clerks	
	29-2061	Licensed Practical and Licensed Vocational Nurses	
Postsecondary nondegree award	31-1131	Nursing Assistants	
	31-9011	Massage Therapists	
	35-2013	Cooks, Private Household	
	39-5012	Hairdressers, Hairstylists, and Cosmetologists	
	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	
	49-2097	Audiovisual Equipment Installers and Repairers	
	53-5021	Captains, Mates, and Pilots of Water Vessels	
	53-5031	Ship Engineers	
	Associate's degree	17-3025	Environmental Engineering Technologists and Technicians
		17-3027	Mechanical Engineering Technologists and Technicians
19-4031		Chemical Technicians	
27-4012		Broadcast 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	
Bachelor's degree		11-1011	Chief Executives
	13-2081	Tax Examiners and Collectors, and Revenue Agents	
	17-1012	Landscape Architects	
	19-4021	Biological Technicians	
	27-1027	Set and Exhibit Designers	
	27-1029	Designers, All Other	
	29-1125	Recreational Therapists	
	29-1129	Therapists, All Other	
	29-1141	Registered Nurses	
	19-3039	Psychologists, All Other	
Master's degree	25-4011	Archivists	
	25-4012	Curators	
	29-1071	Physician Assistants	
	29-1127	Speech-Language Pathologists	
	29-1151	Nurse Anesthetists	
	29-1171	Nurse Practitioners	
	29-9092	Genetic Counselors	
	Doctoral or professional degree	25-1011	Business Teachers, Postsecondary
		25-1031	Architecture Teachers, Postsecondary
		25-1053	Environmental Science Teachers, Postsecondary
25-1062		Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
25-1069		Social Sciences Teachers, Postsecondary, All Other	
25-1122		Communications Teachers, Postsecondary	
25-1193		Recreation and Fitness Studies Teachers, Postsecondary	
25-1199		Postsecondary Teachers, All Other	
29-1215		Family Medicine Physicians	

Workforce Region 12 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	27-1012	Craft Artists	
	27-1019	Artists and Related Workers, All Other	
	27-2031	Dancers	
	33-9091	Crossing Guards and Flaggers	
	35-2019	Cooks, All Other	
	35-3041	Food Servers, Nonrestaurant	
	37-2019	Building Cleaning Workers, All Other	
	37-3019	Grounds Maintenance Workers, All Other	
	39-3021	Motion Picture Projectionists	
	39-3031	Ushers, Lobby Attendants, and Ticket Takers	
	39-5093	Shampooers	
	41-9011	Demonstrators and Product Promoters	
	45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	
	45-2099	Agricultural Workers, All Other	
	47-2043	Floor Sanders and Finishers	
	47-2142	Paperhangers	
	47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	
	47-3012	Helpers--Carpenters	
	47-3016	Helpers--Roofers	
	47-5013	Service Unit Operators, Oil and Gas	
	47-5049	Underground Mining Machine Operators, All Other	
	47-5051	Rock Splitters, Quarry	
	47-5071	Roustabouts, Oil and Gas	
	51-3021	Butchers and Meat Cutters	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	53-5011	Sailors and Marine Oilers	
	53-6021	Parking Attendants	
	53-7041	Hoist and Winch Operators	
	53-7061	Cleaners of Vehicles and Equipment	
	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	
	High school diploma or equivalent	11-9051	Food Service Managers
		11-9071	Gambling Managers
		11-9081	Lodging Managers
		11-9131	Postmasters and Mail Superintendents
		21-1094	Community Health Workers
		27-1023	Floral Designers
		27-2023	Umpires, Referees, and Other Sports Officials
		27-2032	Choreographers
		27-4021	Photographers
		29-2092	Hearing Aid Specialists
		31-1120	Home Health and Personal Care Aides
		33-2022	Forest Fire Inspectors and Prevention Specialists
		33-3011	Bailiffs
		33-3041	Parking Enforcement Workers
		33-9011	Animal Control Workers
		33-9021	Private Detectives and Investigators
		33-9031	Gambling Surveillance Officers and Gambling Investigators
37-3013		Tree Trimmers and Pruners	
39-3011		Gambling Dealers	
39-3019		Gambling Service Workers, All Other	
39-3093		Locker Room, Coatroom, and Dressing Room Attendants	
39-4012		Crematory Operators	
39-4021		Funeral Attendants	
39-6012		Concierges	
39-7010		Tour and Travel Guides	
39-9041		Residential Advisors	
41-3041		Travel Agents	
43-2011		Switchboard Operators, Including Answering Service	
43-3021		Billing and Posting Clerks	
43-3041		Gambling Cage Workers	
43-4111		Interviewers, Except Eligibility and Loan	
45-4022		Logging Equipment Operators	
47-2022		Stonemasons	
47-2053		Terrazzo Workers and Finishers	
47-2072		Pile Driver Operators	
47-2121		Glaziers	
47-2171		Reinforcing Iron and Rebar Workers	
47-5032		Explosives Workers, Ordnance Handling Experts, and Blasters	
47-5081		Helpers--Extraction Workers	
49-9011		Mechanical Door Repairers	
49-9069		Precision Instrument and Equipment Repairers, All Other	
49-9096		Riggers	
49-9097		Signal and Track Switch Repairers	
51-2021		Coil Winders, Tapers, and Finishers	
51-2041		Structural Metal Fabricators and Fitters	
51-4022		Forging Machine Setters, Operators, and Tenders, Metal and Plastic	
51-4023		Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	
51-4032		Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-4034		Lathe and Turning 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	
51-6062		Textile Cutting Machine Setters, Operators, and Tenders	
51-6064		Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	
51-6092	Fabric and Apparel Patternmakers		
51-6093	Upholsterers		
51-6099	Textile, Apparel, and Furnishings Workers, All Other		
51-7011	Cabinetmakers and Bench Carpenters		
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood		
51-7099	Woodworkers, All Other		
51-8021	Stationary Engineers and Boiler Operators		
51-8091	Chemical Plant and System Operators		
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers		
51-8099	Plant and System Operators, All Other		
51-9023	Mixing and Blending 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		
51-9111	Packaging and Filling Machine Operators and Tenders		
51-9151	Photographic Process Workers and Processing Machine Operators		
51-9194	Etchers and Engravers		
51-9198	Helpers--Production Workers		
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians		
53-4011	Locomotive Engineers		

Workforce Region 12 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
Some college, no degree Postsecondary nondegree award	53-7031	Dredge Operators	
	53-7071	Gas Compressor and Gas Pumping Station Operators	
	43-4151	Order Clerks	
	27-4011	Audio and Video Technicians	
	29-2061	Licensed Practical and Licensed Vocational Nurses	
	31-1131	Nursing Assistants	
	31-9011	Massage Therapists	
	35-2013	Cooks, Private Household	
	39-5011	Barbers	
	39-5012	Hairdressers, Hairstylists, and Cosmetologists	
	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	
	49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	
	49-2097	Audiovisual Equipment Installers and Repairers	
	49-9092	Commercial Divers	
	51-4111	Tool and Die Makers	
	53-5021	Captains, Mates, and Pilots of Water Vessels	
	53-5031	Ship Engineers	
	Associate's degree	17-3022	Civil Engineering Technologists and Technicians
		17-3024	Electro-Mechanical and Mechatronics Technologists and Technicians
		17-3025	Environmental Engineering Technologists and Technicians
17-3026		Industrial Engineering Technologists and Technicians	
17-3027		Mechanical Engineering Technologists and Technicians	
19-4012		Agricultural Technicians	
19-4031		Chemical Technicians	
25-2011		Preschool Teachers, Except Special Education	
27-4012		Broadcast 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	
39-4011		Embalmers	
43-9031		Desktop Publishers	
Bachelor's degree		11-1011	Chief Executives
		11-2011	Advertising and Promotions Managers
		11-2033	Fundraising Managers
		11-9041	Architectural and Engineering Managers
	13-1121	Meeting, Convention, and Event Planners	
	13-2081	Tax Examiners and Collectors, and Revenue Agents	
	17-1012	Landscape Architects	
	17-1021	Cartographers and Photogrammetrists	
	17-2031	Bioengineers and Biomedical Engineers	
	17-2041	Chemical Engineers	
	17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	
	19-1012	Food Scientists and Technologists	
	19-1022	Microbiologists	
	19-1023	Zoologists and Wildlife Biologists	
	19-1031	Conservation Scientists	
	19-1099	Life Scientists, All Other	
	19-2021	Atmospheric and Space Scientists	
	19-2032	Materials Scientists	
	19-2042	Geoscientists, Except Hydrologists and Geographers	
	19-2043	Hydrologists	
19-2099	Physical Scientists, All Other		
19-4021	Biological Technicians		
21-2099	Religious Workers, All Other		
23-1022	Arbitrators, Mediators, and Conciliators		
25-2021	Elementary School Teachers, Except Special Education		
25-4013	Museum Technicians and Conservators		
27-1027	Set and Exhibit Designers		
27-1029	Designers, All Other		
27-3011	Broadcast Announcers and Radio Disc Jockeys		
27-3091	Interpreters and Translators		
29-1125	Recreational Therapists		
29-1129	Therapists, All Other		
29-1141	Registered Nurses		
29-2036	Medical Dosimetrists		
41-9031	Sales Engineers		
43-9081	Proofreaders and Copy Markers		
Master's degree	19-1041	Epidemiologists	
	19-3011	Economists	
	19-3039	Psychologists, All Other	
	19-3041	Sociologists	
	19-3051	Urban and Regional Planners	
	19-3091	Anthropologists and Archeologists	
	25-4011	Archivists	
	25-4012	Curators	
	29-1071	Physician Assistants	
	29-1127	Speech-Language Pathologists	
	29-1151	Nurse Anesthetists	
	29-1171	Nurse Practitioners	
	29-1291	Acupuncturists	
	29-2091	Orthotists and Prosthetists	
	Doctoral or professional degree	19-2012	Physicists
		23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers
		25-1011	Business Teachers, Postsecondary
		25-1031	Architecture Teachers, Postsecondary
		25-1053	Environmental Science Teachers, Postsecondary
		25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary
25-1069		Social Sciences Teachers, Postsecondary, All Other	
25-1122		Communications Teachers, Postsecondary	
25-1193		Recreation and Fitness Studies Teachers, Postsecondary	
25-1199		Postsecondary Teachers, All Other	
29-1022		Oral and Maxillofacial Surgeons	
29-1023		Orthodontists	
29-1024		Prosthodontists	
29-1081		Podiatrists	
29-1181		Audiologists	
29-1215		Family Medicine Physicians	

Workforce Region 13 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	35-3041	Food Servers, Nonrestaurant	
	37-2019	Building Cleaning Workers, All Other	
	39-3021	Motion Picture Projectionists	
	39-3031	Ushers, Lobby Attendants, and Ticket Takers	
	39-5093	Shampooers	
	41-9011	Demonstrators and Product Promoters	
	47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	
	47-3016	Helpers--Roofers	
	47-5012	Rotary Drill Operators, Oil and Gas	
	47-5013	Service Unit Operators, Oil and Gas	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	53-5011	Sailors and Marine Oilers	
	53-6021	Parking Attendants	
	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	
	High school diploma or equivalent	11-9071	Gambling Managers
		21-1094	Community Health Workers
		27-1023	Floral Designers
		27-2032	Choreographers
		27-4021	Photographers
		29-2092	Hearing Aid Specialists
31-1120		Home Health and Personal Care Aides	
31-2012		Occupational Therapy Aides	
33-3011		Bailiffs	
37-3013		Tree Trimmers and Pruners	
39-3011		Gambling Dealers	
39-3093		Locker Room, Coatroom, and Dressing Room Attendants	
39-4021		Funeral Attendants	
39-6012		Concierges	
39-7010		Tour and Travel Guides	
39-9041		Residential Advisors	
43-2011		Switchboard Operators, Including Answering Service	
43-3041		Gambling Cage Workers	
43-4111		Interviewers, Except Eligibility and Loan	
47-2171		Reinforcing Iron and Rebar Workers	
47-5081		Helpers--Extraction Workers	
49-9011		Mechanical Door Repairers	
49-9096		Riggers	
51-2041		Structural Metal Fabricators and Fitters	
51-4032		Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-6063		Textile Knitting and Weaving Machine Setters, Operators, and Tenders	
51-6092		Fabric and Apparel Patternmakers	
51-7099		Woodworkers, All Other	
51-8091		Chemical Plant and System Operators	
51-9023		Mixing and Blending Machine Setters, Operators, and Tenders	
51-9111		Packaging and Filling Machine Operators and Tenders	
51-9194		Etchers and Engravers	
Postsecondary nondegree award		29-2061	Licensed Practical and Licensed Vocational Nurses
	31-1131	Nursing Assistants	
	35-2013	Cooks, Private Household	
	39-5012	Hairdressers, Hairstylists, and Cosmetologists	
	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	
	49-2097	Audiovisual Equipment Installers and Repairers	
	51-4111	Tool and Die Makers	
	53-5021	Captains, Mates, and Pilots of Water Vessels	
	Associate's degree	17-3025	Environmental Engineering Technologists and 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	11-1011	Chief Executives	
	17-1012	Landscape Architects	
	17-2031	Bioengineers and Biomedical Engineers	
	19-1023	Zoologists and Wildlife Biologists	
	19-2042	Geoscientists, Except Hydrologists and Geographers	
	19-4021	Biological Technicians	
	25-4013	Museum Technicians and Conservators	
	27-1027	Set and Exhibit Designers	
	27-1029	Designers, All Other	
	29-1125	Recreational Therapists	
	29-1129	Therapists, All Other	
	29-1141	Registered Nurses	
	Master's degree	19-3039	Psychologists, All Other
		19-3094	Political Scientists
		25-4011	Archivists
25-4012		Curators	
29-1071		Physician Assistants	
29-1151		Nurse Anesthetists	
29-1171		Nurse Practitioners	
Doctoral or professional degree	25-1011	Business Teachers, Postsecondary	
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
	25-1069	Social Sciences Teachers, Postsecondary, All Other	
	25-1122	Communications Teachers, Postsecondary	
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary	
	25-1199	Postsecondary Teachers, All Other	
	29-1215	Family Medicine Physicians	

Workforce Region 14 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	27-2031	Dancers	
	39-3021	Motion Picture Projectionists	
	39-3031	Ushers, Lobby Attendants, and Ticket Takers	
	41-9011	Demonstrators and Product Promoters	
	47-3016	Helpers--Roofers	
	47-5012	Rotary Drill Operators, Oil and Gas	
	47-5013	Service Unit Operators, Oil and Gas	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	53-5011	Sailors and Marine Oilers	
	53-6021	Parking Attendants	
	High school diploma or equivalent	21-1094	Community Health Workers
		27-2023	Umpires, Referees, and Other Sports Officials
		27-2032	Choreographers
		27-4021	Photographers
31-1120		Home Health and Personal Care Aides	
33-3011		Bailiffs	
37-3013		Tree Trimmers and Pruners	
39-3093		Locker Room, Coatroom, and Dressing Room Attendants	
39-6012		Concierges	
39-7010		Tour and Travel Guides	
39-9041		Residential Advisors	
43-2021		Telephone Operators	
43-3041		Gambling Cage Workers	
47-2171		Reinforcing Iron and Rebar Workers	
47-5081		Helpers--Extraction Workers	
51-2041		Structural Metal Fabricators and Fitters	
51-4032		Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-6042		Shoe Machine Operators and Tenders	
51-6092		Fabric and Apparel Patternmakers	
51-7099		Woodworkers, All Other	
51-8091		Chemical Plant and System Operators	
51-9023		Mixing and Blending Machine Setters, Operators, and Tenders	
51-9194		Etchers and Engravers	
Postsecondary nondegree award		35-2013	Cooks, Private Household
	49-2097	Audiovisual Equipment Installers and Repairers	
Associate's degree	17-3025	Environmental Engineering Technologists and Technicians	
	27-4012	Broadcast Technicians	
Bachelor's degree	29-2051	Dietetic Technicians	
	17-2171	Petroleum Engineers	
	25-4013	Museum Technicians and Conservators	
	27-1027	Set and Exhibit Designers	
	27-1029	Designers, All Other	
Master's degree	29-1129	Therapists, All Other	
	19-3039	Psychologists, All Other	
	19-3094	Political Scientists	
	25-4011	Archivists	
Doctoral or professional degree	25-4012	Curators	
	25-1011	Business Teachers, Postsecondary	
	25-1031	Architecture Teachers, Postsecondary	
	25-1053	Environmental Science Teachers, Postsecondary	
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
	25-1069	Social Sciences Teachers, Postsecondary, All Other	
	25-1122	Communications Teachers, Postsecondary	
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary	
	25-1199	Postsecondary Teachers, All Other	
	29-1243	Pediatric Surgeons	

Workforce Region 15 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	27-1019	Artists and Related Workers, All Other	
	27-2031	Dancers	
	33-9091	Crossing Guards and Flaggers	
	35-2019	Cooks, All Other	
	35-3041	Food Servers, Nonrestaurant	
	37-2019	Building Cleaning Workers, All Other	
	39-3021	Motion Picture Projectionists	
	39-3031	Ushers, Lobby Attendants, and Ticket Takers	
	41-9011	Demonstrators and Product Promoters	
	41-9012	Models	
	45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	
	47-2043	Floor Sanders and Finishers	
	47-2142	Paperhangers	
	47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	
	47-3012	Helpers--Carpenters	
	47-3016	Helpers--Roofers	
	47-5013	Service Unit Operators, Oil and Gas	
	47-5051	Rock Splitters, Quarry	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	53-5011	Sailors and Marine Oilers	
	53-6021	Parking Attendants	
	53-7041	Hoist and Winch Operators	
	53-7061	Cleaners of Vehicles and Equipment	
	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	
	53-7121	Tank Car, Truck, and Ship Loaders	
	High school diploma or equivalent	11-9071	Gambling Managers
		11-9081	Lodging Managers
		21-1094	Community Health Workers
		27-1023	Floral Designers
		27-2023	Umpires, Referees, and Other Sports Officials
		27-2032	Choreographers
		27-4021	Photographers
		29-2092	Hearing Aid Specialists
		31-1120	Home Health and Personal Care Aides
		33-3011	Bailiffs
		37-3013	Tree Trimmers and Pruners
39-1013		First-Line Supervisors of Gambling Services Workers	
39-3011		Gambling Dealers	
39-3093		Locker Room, Coatroom, and Dressing Room Attendants	
39-4021		Funeral Attendants	
39-6012		Concierges	
39-7010		Tour and Travel Guides	
39-9041		Residential Advisors	
41-3041		Travel Agents	
43-2011		Switchboard Operators, Including Answering Service	
43-3041		Gambling Cage Workers	
43-4111		Interviewers, Except Eligibility and Loan	
45-4022		Logging Equipment Operators	
47-2022		Stonemasons	
47-2072		Pile Driver Operators	
47-2121		Glaziers	
47-2171		Reinforcing Iron and Rebar Workers	
47-5081		Helpers--Extraction Workers	
49-9011		Mechanical Door Repairers	
51-2041		Structural Metal Fabricators and Fitters	
51-4032		Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-6041		Shoe and Leather Workers and Repairers	
51-6042		Shoe Machine Operators and Tenders	
51-6092		Fabric and Apparel Patternmakers	
51-6099		Textile, Apparel, and Furnishings Workers, All Other	
51-7011		Cabinetmakers and Bench Carpenters	
51-7041		Sawing Machine Setters, Operators, and Tenders, Wood	
51-7099		Woodworkers, All Other	
51-8091		Chemical Plant and System Operators	
51-8099		Plant and System Operators, All Other	
51-9023		Mixing and Blending Machine Setters, Operators, and Tenders	
51-9111		Packaging and Filling Machine Operators and Tenders	
51-9194		Etchers and Engravers	
51-9198	Helpers--Production Workers		
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians		
53-7071	Gas Compressor and Gas Pumping Station Operators		
Some college, no degree	43-4151	Order Clerks	
	Postsecondary nondegree award	27-4011	Audio and Video Technicians
		27-4015	Lighting Technicians

Workforce Region 15 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title
Associate's degree	29-2061	Licensed Practical and Licensed Vocational Nurses
	31-1131	Nursing Assistants
	31-9011	Massage Therapists
	35-2013	Cooks, Private Household
	39-5012	Hairdressers, Hairstylists, and Cosmetologists
	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers
	49-2097	Audiovisual Equipment Installers and Repairers
	49-9092	Commercial Divers
	51-4111	Tool and Die Makers
	51-9162	Computer Numerically Controlled Tool Programmers
	53-5021	Captains, Mates, and Pilots of Water Vessels
	53-5031	Ship Engineers
	17-3025	Environmental Engineering Technologists and Technicians
	17-3028	Calibration Technologists and Technicians
	19-4013	Food Science Technicians
	27-4012	Broadcast 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	11-1011	Chief Executives
	11-2011	Advertising and Promotions Managers
	11-9161	Emergency Management Directors
	17-1012	Landscape Architects
	17-1021	Cartographers and Photogrammetrists
	17-2031	Bioengineers and Biomedical Engineers
	17-2041	Chemical Engineers
	19-1011	Animal Scientists
	19-1013	Soil and Plant Scientists
	19-1023	Zoologists and Wildlife Biologists
	19-1031	Conservation Scientists
	19-2042	Geoscientists, Except Hydrologists and Geographers
	19-2043	Hydrologists
	19-4021	Biological Technicians
	19-4061	Social Science Research Assistants
	21-2099	Religious Workers, All Other
	25-4013	Museum Technicians and Conservators
	27-1027	Set and Exhibit Designers
	27-1029	Designers, All Other
	27-3011	Broadcast Announcers and Radio Disc Jockeys
29-1125	Recreational Therapists	
29-1129	Therapists, All Other	
29-1141	Registered Nurses	
Master's degree	33-3031	Fish and Game Wardens
	19-1041	Epidemiologists
	19-3011	Economists
	19-3039	Psychologists, All Other
	25-4011	Archivists
	25-4012	Curators
	29-1071	Physician Assistants
	29-1127	Speech-Language Pathologists
	29-1151	Nurse Anesthetists
	29-1161	Nurse Midwives
29-1171	Nurse Practitioners	
Doctoral or professional degree	29-2091	Orthotists and Prosthetists
	19-1021	Biochemists and Biophysicists
	23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers
	25-1011	Business Teachers, Postsecondary
	25-1053	Environmental Science Teachers, Postsecondary
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary
	25-1069	Social Sciences Teachers, Postsecondary, All Other
	25-1122	Communications Teachers, Postsecondary
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary
	25-1199	Postsecondary Teachers, All Other
	29-1022	Oral and Maxillofacial Surgeons
	29-1029	Dentists, All Other Specialists
	29-1181	Audiologists
	29-1213	Dermatologists
	29-1215	Family Medicine Physicians

Workforce Region 16 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title
No formal educational credential	33-9091	Crossing Guards and Flaggers
	35-3041	Food Servers, Nonrestaurant
	37-2019	Building Cleaning Workers, All Other
	39-3021	Motion Picture Projectionists
	39-3031	Ushers, Lobby Attendants, and Ticket Takers
	41-9011	Demonstrators and Product Promoters
	47-2082	Tapers
	47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters
	47-3012	Helpers--Carpenters
	47-3016	Helpers--Roofers
	51-3021	Butchers and Meat Cutters
	51-3099	Food Processing Workers, All Other
	51-6052	Tailors, Dressmakers, and Custom Sewers
	53-5011	Sailors and Marine Oilers
	53-6021	Parking Attendants
	53-7061	Cleaners of Vehicles and Equipment
	53-7062	Laborers and Freight, Stock, and Material Movers, Hand
High school diploma or equivalent	11-9081	Lodging Managers
	11-9179	Personal Service Managers, All Other
	21-1094	Community Health Workers
	27-1023	Floral Designers
	27-2023	Umpires, Referees, and Other Sports Officials
	27-2032	Choreographers
	27-2091	Disc Jockeys, Except Radio
	27-4021	Photographers
	29-2092	Hearing Aid Specialists
	31-1120	Home Health and Personal Care Aides
	33-3011	Bailiffs
	33-9021	Private Detectives and Investigators
	37-3013	Tree Trimmers and Pruners
	39-2011	Animal Trainers
	39-3093	Locker Room, Coatroom, and Dressing Room Attendants
	39-4021	Funeral Attendants
	39-6012	Concierges
	39-7010	Tour and Travel Guides
	39-9041	Residential Advisors
	43-2011	Switchboard Operators, Including Answering Service
	43-3041	Gambling Cage Workers
	43-4111	Interviewers, Except Eligibility and Loan
	43-4121	Library Assistants, Clerical
	43-5041	Meter Readers, Utilities
	45-4022	Logging Equipment Operators
	47-2171	Reinforcing Iron and Rebar Workers
	47-5023	Earth Drillers, Except Oil and Gas
	49-9011	Mechanical Door Repairers
	49-9044	Millwrights
	51-2041	Structural Metal Fabricators and Fitters
	51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic
	51-6092	Fabric and Apparel Patternmakers
	51-7011	Cabinetmakers and Bench Carpenters
	51-8012	Power Distributors and Dispatchers
	51-8091	Chemical Plant and System Operators
	51-9011	Chemical Equipment Operators and Tenders
	51-9023	Mixing and Blending Machine Setters, Operators, and Tenders
	51-9071	Jewelers and Precious Stone and Metal Workers
	51-9081	Dental Laboratory Technicians
	51-9111	Packaging and Filling Machine Operators and Tenders
	51-9198	Helpers--Production Workers
Some college, no degree	43-4151	Order Clerks
Postsecondary nondegree award	27-3092	Court Reporters and Simultaneous Captioners
	27-4011	Audio and Video Technicians
	29-2061	Licensed Practical and Licensed Vocational Nurses
	31-1131	Nursing Assistants
	31-9011	Massage Therapists
	35-2013	Cooks, Private Household
	39-5012	Hairdressers, Hairstylists, and Cosmetologists
	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers

Workforce Region 16 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title
Associate's degree	49-2097	Audiovisual Equipment Installers and Repairers
	53-2012	Commercial Pilots
	53-5021	Captains, Mates, and Pilots of Water Vessels
	53-5031	Ship Engineers
	17-3022	Civil Engineering Technologists and Technicians
	17-3025	Environmental Engineering Technologists and Technicians
	19-4031	Chemical Technicians
	19-4099	Life, Physical, and Social Science Technicians, All Other
	23-2099	Legal Support Workers, All Other
	25-2011	Preschool Teachers, Except Special Education
	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
	Bachelor's degree	11-1011
11-3061		Purchasing Managers
11-3131		Training and Development Managers
11-9039		Education Administrators, All Other
11-9072		Entertainment and Recreation Managers, Except Gambling
13-2041		Credit Analysts
13-2054		Financial Risk Specialists
13-2081		Tax Examiners and Collectors, and Revenue Agents
17-2061		Computer Hardware Engineers
19-4021		Biological Technicians
19-4061		Social Science Research Assistants
19-4092		Forensic Science Technicians
21-2099		Religious Workers, All Other
25-2021		Elementary School Teachers, Except Special Education
25-4013		Museum Technicians and Conservators
25-9099		Educational Instruction and Library Workers, All Other
27-1013		Fine Artists, Including Painters, Sculptors, and Illustrators
27-1021		Commercial and Industrial Designers
27-1027		Set and Exhibit Designers
27-1029		Designers, All Other
27-2041		Music Directors and Composers
27-3041		Editors
27-3042		Technical Writers
27-4031		Camera Operators, Television, Video, and Film
29-1125		Recreational Therapists
29-1129		Therapists, All Other
29-1141		Registered Nurses
53-2011		Airline Pilots, Copilots, and Flight Engineers
15-1221	Computer and Information Research Scientists	
19-3039	Psychologists, All Other	
25-4011	Archivists	
25-9021	Farm and Home Management Educators	
29-1071	Physician Assistants	
29-1127	Speech-Language Pathologists	
29-1151	Nurse Anesthetists	
29-1171	Nurse Practitioners	
29-9091	Athletic Trainers	
Doctoral or professional degree	25-1011	Business Teachers, Postsecondary
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary
	25-1069	Social Sciences Teachers, Postsecondary, All Other
	25-1122	Communications Teachers, Postsecondary
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary
	25-1199	Postsecondary Teachers, All Other
	29-1081	Podiatrists
	29-1215	Family Medicine Physicians

Workforce Region 17 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	33-9091	Crossing Guards and Flaggers	
	35-2019	Cooks, All Other	
	35-3041	Food Servers, Nonrestaurant	
	37-2019	Building Cleaning Workers, All Other	
	39-3021	Motion Picture Projectionists	
	39-3031	Ushers, Lobby Attendants, and Ticket Takers	
	39-5093	Shampooers	
	41-9011	Demonstrators and Product Promoters	
	45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	
	45-2099	Agricultural Workers, All Other	
	47-2041	Carpet Installers	
	47-2082	Tapers	
	47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	
	47-3012	Helpers--Carpenters	
	47-3016	Helpers--Roofers	
	47-5012	Rotary Drill Operators, Oil and Gas	
	47-5013	Service Unit Operators, Oil and Gas	
	47-5041	Continuous Mining Machine Operators	
	51-3021	Butchers and Meat Cutters	
	51-6021	Pressers, Textile, Garment, and Related Materials	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	53-5011	Sailors and Marine Oilers	
	53-6021	Parking Attendants	
	53-7041	Hoist and Winch Operators	
	53-7061	Cleaners of Vehicles and Equipment	
	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	
	High school diploma or equivalent	11-9051	Food Service Managers
		11-9081	Lodging Managers
		19-5012	Occupational Health and Safety Technicians
		21-1094	Community Health Workers
		27-1023	Floral Designers
		27-2032	Choreographers
27-4021		Photographers	
29-2092		Hearing Aid Specialists	
31-1120		Home Health and Personal Care Aides	
31-1133		Psychiatric Aides	
31-2012		Occupational Therapy Aides	
33-1099		First-Line Supervisors of Protective Service Workers, All Other	
33-3011		Bailiffs	
33-3052		Transit and Railroad Police	
33-9021		Private Detectives and Investigators	
37-3013		Tree Trimmers and Pruners	
39-3011		Gambling Dealers	
39-3093		Locker Room, Coatroom, and Dressing Room Attendants	
39-4021		Funeral Attendants	
39-6011		Baggage Porters and Bellhops	
39-6012		Concierges	
39-7010		Tour and Travel Guides	
39-9041		Residential Advisors	
43-2011		Switchboard Operators, Including Answering Service	
43-3021		Billing and Posting Clerks	
43-3041		Gambling Cage Workers	
43-4011		Brokerage Clerks	
43-4111		Interviewers, Except Eligibility and Loan	
43-5041		Meter Readers, Utilities	
43-9022		Word Processors and Typists	
43-9071		Office Machine Operators, Except Computer	
47-2011		Boilermakers	
47-2121		Glaziers	
47-2171		Reinforcing Iron and Rebar Workers	
47-4071		Septic Tank Servicers and Sewer Pipe Cleaners	
47-5023		Earth Drillers, Except Oil and Gas	
49-3041		Farm Equipment Mechanics and Service Technicians	
49-3043		Rail Car Repairers	
49-3092		Recreational Vehicle Service Technicians	
49-9011		Mechanical Door Repairers	
49-9061		Camera and Photographic Equipment Repairers	
51-2031		Engine and Other Machine Assemblers	
51-2041		Structural Metal Fabricators and Fitters	
51-4023		Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	
51-4032		Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-4035		Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	
51-6092		Fabric and Apparel Patternmakers	
51-6093		Upholsterers	
51-7011		Cabinetmakers and Bench Carpenters	
51-7021		Furniture Finishers	
51-7041		Sawing Machine Setters, Operators, and Tenders, Wood	
51-7099	Woodworkers, All Other		
51-8091	Chemical Plant and System Operators		
51-8092	Gas Plant Operators		
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers		
51-8099	Plant and System Operators, All Other		
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders		
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders		
51-9111	Packaging and Filling Machine Operators and Tenders		
51-9193	Cooling and Freezing Equipment Operators and Tenders		
51-9197	Tire Builders		
51-9198	Helpers--Production Workers		
53-4011	Locomotive Engineers		

Workforce Region 17 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
Some college, no degree Postsecondary nondegree award	53-4031	Railroad Conductors and Yardmasters	
	53-4041	Subway and Streetcar Operators	
	43-4151	Order Clerks	
	27-4011	Audio and Video Technicians	
	29-2061	Licensed Practical and Licensed Vocational Nurses	
	29-9099	Healthcare Practitioners and Technical Workers, All Other	
	31-1131	Nursing Assistants	
	31-9011	Massage Therapists	
	35-2013	Cooks, Private Household	
	39-5011	Barbers	
	39-5012	Hairdressers, Hairstylists, and Cosmetologists	
	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	
	49-2097	Audiovisual Equipment Installers and Repairers	
	49-3052	Motorcycle Mechanics	
	51-4111	Tool and Die Makers	
	51-5111	Prepress Technicians and Workers	
	53-5031	Ship Engineers	
	Associate's degree	17-3019	Drafters, All Other
		17-3022	Civil Engineering Technologists and Technicians
		17-3025	Environmental Engineering Technologists and Technicians
17-3028		Calibration Technologists and Technicians	
19-4031		Chemical Technicians	
19-4044		Hydrologic Technicians	
25-2011		Preschool Teachers, Except Special Education	
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	
Bachelor's degree		11-1011	Chief Executives
	11-2011	Advertising and Promotions Managers	
	11-3111	Compensation and Benefits Managers	
	11-9039	Education Administrators, All Other	
	11-9041	Architectural and Engineering Managers	
	11-9121	Natural Sciences Managers	
	11-9161	Emergency Management Directors	
	13-1121	Meeting, Convention, and Event Planners	
	13-2081	Tax Examiners and Collectors, and Revenue Agents	
	17-1012	Landscape Architects	
	17-2081	Environmental Engineers	
	17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	
	17-2131	Materials Engineers	
	17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	
	19-1012	Food Scientists and Technologists	
	19-1023	Zoologists and Wildlife Biologists	
	19-1029	Biological Scientists, All Other	
	19-1031	Conservation Scientists	
	19-4021	Biological Technicians	
	21-2099	Religious Workers, All Other	
	25-2021	Elementary School Teachers, Except Special Education	
	27-1014	Special Effects Artists and Animators	
	27-1027	Set and Exhibit Designers	
	27-1029	Designers, All Other	
	27-2041	Music Directors and Composers	
	27-3091	Interpreters and Translators	
	27-4031	Camera Operators, Television, Video, and Film	
	27-4032	Film and Video Editors	
	29-1125	Recreational Therapists	
	29-1128	Exercise Physiologists	
	29-1129	Therapists, All Other	
	29-1141	Registered Nurses	
	41-9031	Sales Engineers	
	Master's degree	15-1221	Computer and Information Research Scientists
		19-3039	Psychologists, All Other
		19-3051	Urban and Regional Planners
		25-4011	Archivists
25-4012		Curators	
29-1071		Physician Assistants	
29-1127		Speech-Language Pathologists	
29-1151		Nurse Anesthetists	
29-1171		Nurse Practitioners	
Doctoral or professional degree		23-1023	Judges, Magistrate Judges, and Magistrates
	25-1011	Business Teachers, Postsecondary	
	25-1053	Environmental Science Teachers, Postsecondary	
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
	25-1069	Social Sciences Teachers, Postsecondary, All Other	
	25-1122	Communications Teachers, Postsecondary	
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary	
	25-1199	Postsecondary Teachers, All Other	
	29-1215	Family Medicine Physicians	
	29-1221	Pediatricians, General	

Workforce Region 18 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	27-2031	Dancers	
	35-2019	Cooks, All Other	
	35-3041	Food Servers, Nonrestaurant	
	37-2019	Building Cleaning Workers, All Other	
	39-3021	Motion Picture Projectionists	
	39-3031	Ushers, Lobby Attendants, and Ticket Takers	
	41-9011	Demonstrators and Product Promoters	
	47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	
	47-3012	Helpers--Carpenters	
	47-3016	Helpers--Roofers	
	47-5012	Rotary Drill Operators, Oil and Gas	
	47-5013	Service Unit Operators, Oil and Gas	
	51-3023	Slaughterers and Meat Packers	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	51-9022	Grinding and Polishing Workers, Hand	
	51-9123	Painting, Coating, and Decorating Workers	
	53-5011	Sailors and Marine Oilers	
	53-6021	Parking Attendants	
	53-7061	Cleaners of Vehicles and Equipment	
	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	
	53-7199	Material Moving Workers, All Other	
	High school diploma or equivalent	11-9013	Farmers, Ranchers, and Other Agricultural Managers
		11-9071	Gambling Managers
		11-9081	Lodging Managers
		21-1094	Community Health Workers
		27-1023	Floral Designers
		27-2023	Umpires, Referees, and Other Sports Officials
		27-2032	Choreographers
		27-4021	Photographers
29-2092		Hearing Aid Specialists	
31-1120		Home Health and Personal Care Aides	
31-1133		Psychiatric Aides	
31-2022		Physical Therapist Aides	
33-1099		First-Line Supervisors of Protective Service Workers, All Other	
33-3011		Bailiffs	
33-3052		Transit and Railroad Police	
33-9021		Private Detectives and Investigators	
37-3013		Tree Trimmers and Pruners	
39-3011		Gambling Dealers	
39-3093		Locker Room, Coatroom, and Dressing Room Attendants	
39-4021		Funeral Attendants	
39-6012		Concierges	
39-7010		Tour and Travel Guides	
39-9041		Residential Advisors	
41-3041		Travel Agents	
43-2011		Switchboard Operators, Including Answering Service	
43-3041		Gambling Cage Workers	
43-4111		Interviewers, Except Eligibility and Loan	
43-5041		Meter Readers, Utilities	
43-9022		Word Processors and Typists	
43-9071		Office Machine Operators, Except Computer	
45-4011		Forest and Conservation Workers	
45-4021		Fallers	
47-2011		Boilermakers	
47-2121		Glaziers	
47-2171		Reinforcing Iron and Rebar Workers	
47-2231		Solar Photovoltaic Installers	
47-4071		Septic Tank Servicers and Sewer Pipe Cleaners	
47-5023		Earth Drillers, Except Oil and Gas	
47-5081		Helpers--Extraction Workers	
49-2092		Electric Motor, Power Tool, and Related Repairers	
49-3041		Farm Equipment Mechanics and Service Technicians	
49-9011		Mechanical Door Repairers	
49-9061		Camera and Photographic Equipment Repairers	
49-9094		Locksmiths and Safe Repairers	
49-9096		Riggers	
51-2011		Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	
51-2041		Structural Metal Fabricators and Fitters	
51-3093		Food Cooking Machine Operators and Tenders	
51-4022		Forging Machine Setters, Operators, and Tenders, Metal and Plastic	
51-4032		Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic		
51-4061	Model Makers, Metal and Plastic		
51-6092	Fabric and Apparel Patternmakers		
51-6093	Upholsterers		
51-7011	Cabinetmakers and Bench Carpenters		
51-7099	Woodworkers, All Other		
51-8091	Chemical Plant and System Operators		
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders		
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders		
51-9111	Packaging and Filling Machine Operators and Tenders		

Workforce Region 18 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
Some college, no degree Postsecondary nondegree award	51-9194	Etchers and Engravers	
	51-9196	Paper Goods Machine Setters, Operators, and Tenders	
	51-9198	Helpers--Production Workers	
	53-2022	Airfield Operations Specialists	
	53-2031	Flight Attendants	
	53-6061	Passenger Attendants	
	53-7072	Pump Operators, Except Wellhead Pumpers	
	43-4151	Order Clerks	
	27-3092	Court Reporters and Simultaneous Captioners	
	27-4011	Audio and Video Technicians	
	29-2061	Licensed Practical and Licensed Vocational Nurses	
	31-1131	Nursing Assistants	
	31-9011	Massage Therapists	
	35-2013	Cooks, Private Household	
	39-5012	Hairdressers, Hairstylists, and Cosmetologists	
	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	
	49-2097	Audiovisual Equipment Installers and Repairers	
	49-3052	Motorcycle Mechanics	
	51-4111	Tool and Die Makers	
	51-5111	Prepress Technicians and Workers	
	53-5021	Captains, Mates, and Pilots of Water Vessels	
	53-5031	Ship Engineers	
	Associate's degree	17-3025	Environmental Engineering Technologists and Technicians
		19-4031	Chemical Technicians
		23-2099	Legal Support Workers, All Other
25-2011		Preschool Teachers, Except Special Education	
27-4012		Broadcast 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	
49-2091		Avionics Technicians	
11-1011		Chief Executives	
11-2011		Advertising and Promotions Managers	
11-2033		Fundraising Managers	
Bachelor's degree	11-9041	Architectural and Engineering Managers	
	13-1075	Labor Relations Specialists	
	17-1012	Landscape Architects	
	17-2031	Bioengineers and Biomedical Engineers	
	17-2081	Environmental Engineers	
	17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	
	19-1023	Zoologists and Wildlife Biologists	
	19-2031	Chemists	
	19-4021	Biological Technicians	
	21-2099	Religious Workers, All Other	
	25-2021	Elementary School Teachers, Except Special Education	
	25-4013	Museum Technicians and Conservators	
	27-1027	Set and Exhibit Designers	
	27-1029	Designers, All Other	
	27-2041	Music Directors and Composers	
	27-3011	Broadcast Announcers and Radio Disc Jockeys	
	29-1125	Recreational Therapists	
	29-1129	Therapists, All Other	
	29-1141	Registered Nurses	
	41-9031	Sales Engineers	
	53-2011	Airline Pilots, Copilots, and Flight Engineers	
	Master's degree	19-3039	Psychologists, All Other
		25-4011	Archivists
		25-4012	Curators
		29-1071	Physician Assistants
29-1127		Speech-Language Pathologists	
Doctoral or professional degree	29-1151	Nurse Anesthetists	
	29-1171	Nurse Practitioners	
	23-1023	Judges, Magistrate Judges, and Magistrates	
	25-1011	Business Teachers, Postsecondary	
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
	25-1069	Social Sciences Teachers, Postsecondary, All Other	
	25-1122	Communications Teachers, Postsecondary	
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary	
	25-1199	Postsecondary Teachers, All Other	
	29-1181	Audiologists	
	29-1215	Family Medicine Physicians	
	29-1221	Pediatricians, General	

Workforce Region 19 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	37-2019	Building Cleaning Workers, All Other	
	41-9011	Demonstrators and Product Promoters	
	47-3016	Helpers--Roofers	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	53-5011	Sailors and Marine Oilers	
	53-6021	Parking Attendants	
High school diploma or equivalent	21-1094	Community Health Workers	
	27-4021	Photographers	
	33-3011	Bailiffs	
	37-3013	Tree Trimmers and Pruners	
	39-6012	Concierges	
	39-7010	Tour and Travel Guides	
	39-9041	Residential Advisors	
	41-3041	Travel Agents	
	47-2171	Reinforcing Iron and Rebar Workers	
	51-2041	Structural Metal Fabricators and Fitters	
	51-8091	Chemical Plant and System Operators	
	51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	
	Postsecondary nondegree award	35-2013	Cooks, Private Household
		49-2097	Audiovisual Equipment Installers and Repairers
Associate's degree	29-2051	Dietetic Technicians	
Bachelor's degree	27-1027	Set and Exhibit Designers	
	27-1029	Designers, All Other	
Master's degree	29-1129	Therapists, All Other	
	19-3039	Psychologists, All Other	
	25-4011	Archivists	
Doctoral or professional degree	25-1011	Business Teachers, Postsecondary	
	25-1069	Social Sciences Teachers, Postsecondary, All Other	
	25-1122	Communications Teachers, Postsecondary	
	25-1199	Postsecondary Teachers, All Other	

Workforce Region 20 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	33-9091	Crossing Guards and Flaggers	
	35-3041	Food Servers, Nonrestaurant	
	37-2019	Building Cleaning Workers, All Other	
	39-3021	Motion Picture Projectionists	
	39-3031	Ushers, Lobby Attendants, and Ticket Takers	
	41-9011	Demonstrators and Product Promoters	
	45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	
	47-2041	Carpet Installers	
	47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	
	47-3016	Helpers--Roofers	
	47-5013	Service Unit Operators, Oil and Gas	
	51-3099	Food Processing Workers, All Other	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	51-9031	Cutters and Trimmers, Hand	
	53-5011	Sailors and Marine Oilers	
	53-6021	Parking Attendants	
	53-7061	Cleaners of Vehicles and Equipment	
	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	
	High school diploma or equivalent	11-9081	Lodging Managers
		21-1094	Community Health Workers
		27-1023	Floral Designers
		27-2023	Umpires, Referees, and Other Sports Officials
		27-2032	Choreographers
		27-4021	Photographers
		29-2092	Hearing Aid Specialists
		31-1120	Home Health and Personal Care Aides
		33-3011	Bailiffs
		37-3013	Tree Trimmers and Pruners
39-3011		Gambling Dealers	
39-3093		Locker Room, Coatroom, and Dressing Room Attendants	
39-4021		Funeral Attendants	
39-6011		Baggage Porters and Bellhops	
39-6012		Concierges	
39-7010		Tour and Travel Guides	
39-9041		Residential Advisors	
41-3041		Travel Agents	
43-2011		Switchboard Operators, Including Answering Service	
43-3099		Financial Clerks, All Other	
43-4011		Brokerage Clerks	
43-4111		Interviewers, Except Eligibility and Loan	
47-2121		Glaziers	
47-2171		Reinforcing Iron and Rebar Workers	
49-9011		Mechanical Door Repairers	
49-9012		Control and Valve Installers and Repairers, Except Mechanical Door	
49-9043		Maintenance Workers, Machinery	
49-9061		Camera and Photographic Equipment Repairers	
49-9091		Coin, Vending, and Amusement Machine Servicers and Repairers	
51-2041		Structural Metal Fabricators and Fitters	
51-4032		Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-4192		Layout Workers, Metal and Plastic	
51-4194		Tool Grinders, Filers, and Sharpeners	
51-6092		Fabric and Apparel Patternmakers	
51-6093		Upholsterers	
51-7011		Cabinetmakers and Bench Carpenters	
51-7041		Sawing Machine Setters, Operators, and Tenders, Wood	
51-7099		Woodworkers, All Other	
51-8091		Chemical Plant and System Operators	
51-9023		Mixing and Blending Machine Setters, Operators, and Tenders	
51-9081		Dental Laboratory Technicians	
51-9111		Packaging and Filling Machine Operators and Tenders	
51-9198		Helpers--Production Workers	
53-4041		Subway and Streetcar Operators	
53-6041		Traffic Technicians	
Some college, no degree	43-4151	Order Clerks	
Postsecondary nondegree award	27-3092	Court Reporters and Simultaneous Captioners	
	27-4011	Audio and Video Technicians	
	29-2061	Licensed Practical and Licensed Vocational Nurses	

Workforce Region 20 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title
Associate's degree	31-1131	Nursing Assistants
	31-9011	Massage Therapists
	35-2013	Cooks, Private Household
	39-5012	Hairdressers, Hairstylists, and Cosmetologists
	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers
	49-2097	Audiovisual Equipment Installers and Repairers
	51-4111	Tool and Die Makers
	53-5021	Captains, Mates, and Pilots of Water Vessels
	53-5031	Ship Engineers
	17-3026	Industrial Engineering Technologists and Technicians
	19-4031	Chemical Technicians
	25-2011	Preschool Teachers, Except Special Education
	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	
Bachelor's degree	49-2091	Avionics Technicians
11-1011	11-1011	Chief Executives
11-3131	11-3131	Training and Development Managers
11-9039	11-9039	Education Administrators, All Other
11-9041	11-9041	Architectural and Engineering Managers
13-2061	13-2061	Financial Examiners
13-2081	13-2081	Tax Examiners and Collectors, and Revenue Agents
17-1012	17-1012	Landscape Architects
19-1023	19-1023	Zoologists and Wildlife Biologists
19-1031	19-1031	Conservation Scientists
19-4021	19-4021	Biological Technicians
25-2021	25-2021	Elementary School Teachers, Except Special Education
25-9099	25-9099	Educational Instruction and Library Workers, All Other
27-1027	27-1027	Set and Exhibit Designers
27-1029	27-1029	Designers, All Other
27-4032	27-4032	Film and Video Editors
29-1125	29-1125	Recreational Therapists
29-1129	29-1129	Therapists, All Other
29-1141	29-1141	Registered Nurses
Master's degree	15-1221	Computer and Information Research Scientists
19-3039	19-3039	Psychologists, All Other
25-4011	25-4011	Archivists
25-4012	25-4012	Curators
29-1071	29-1071	Physician Assistants
29-1127	29-1127	Speech-Language Pathologists
29-1151	29-1151	Nurse Anesthetists
29-1171	29-1171	Nurse Practitioners
29-9091	29-9091	Athletic Trainers
Doctoral or professional degree	23-1023	Judges, Magistrate Judges, and Magistrates
25-1011	25-1011	Business Teachers, Postsecondary
25-1062	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary
25-1069	25-1069	Social Sciences Teachers, Postsecondary, All Other
25-1122	25-1122	Communications Teachers, Postsecondary
25-1193	25-1193	Recreation and Fitness Studies Teachers, Postsecondary
25-1199	25-1199	Postsecondary Teachers, All Other
29-1215	29-1215	Family Medicine Physicians

Workforce Region 21 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	27-1019	Artists and Related Workers, All Other	
	27-2031	Dancers	
	35-3041	Food Servers, Nonrestaurant	
	37-2019	Building Cleaning Workers, All Other	
	37-3019	Grounds Maintenance Workers, All Other	
	39-3021	Motion Picture Projectionists	
	39-3031	Ushers, Lobby Attendants, and Ticket Takers	
	41-9011	Demonstrators and Product Promoters	
	41-9012	Models	
	47-3016	Helpers--Roofers	
	47-5013	Service Unit Operators, Oil and Gas	
	47-5051	Rock Splitters, Quarry	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	53-5011	Sailors and Marine Oilers	
	53-6021	Parking Attendants	
	53-7041	Hoist and Winch Operators	
	High school diploma or equivalent	11-9071	Gambling Managers
		21-1094	Community Health Workers
		27-2023	Umpires, Referees, and Other Sports Officials
		27-2032	Choreographers
27-4021		Photographers	
29-2092		Hearing Aid Specialists	
31-1120		Home Health and Personal Care Aides	
33-3011		Bailiffs	
37-3013		Tree Trimmers and Pruners	
39-3011		Gambling Dealers	
39-3093		Locker Room, Coatroom, and Dressing Room Attendants	
39-4021		Funeral Attendants	
39-6012		Concierges	
39-7010		Tour and Travel Guides	
39-9041		Residential Advisors	
43-2011		Switchboard Operators, Including Answering Service	
43-2021		Telephone Operators	
43-3041		Gambling Cage Workers	
43-4111		Interviewers, Except Eligibility and Loan	
47-2171		Reinforcing Iron and Rebar Workers	
49-9011		Mechanical Door Repairers	
51-2041		Structural Metal Fabricators and Fitters	
51-4032		Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-6092		Fabric and Apparel Patternmakers	
51-7099		Woodworkers, All Other	
51-8091		Chemical Plant and System Operators	
51-9023		Mixing and Blending Machine Setters, Operators, and Tenders	
51-9111		Packaging and Filling Machine Operators and Tenders	
51-9194		Etchers and Engravers	
53-4011		Locomotive Engineers	
Postsecondary nondegree award	31-1131	Nursing Assistants	
	35-2013	Cooks, Private Household	
	39-5012	Hairdressers, Hairstylists, and Cosmetologists	
	49-2097	Audiovisual Equipment Installers and Repairers	
	51-4111	Tool and Die Makers	
	53-5021	Captains, Mates, and Pilots of Water Vessels	
	53-5031	Ship Engineers	
	Associate's degree	17-3025	Environmental Engineering Technologists and Technicians
		27-4012	Broadcast Technicians
		29-2033	Nuclear Medicine Technologists
29-2035		Magnetic Resonance Imaging Technologists	
29-2051		Dietetic Technicians	
Bachelor's degree	11-1011	Chief Executives	
	11-2011	Advertising and Promotions Managers	
	17-1012	Landscape Architects	
	17-2031	Bioengineers and Biomedical Engineers	
	17-2171	Petroleum Engineers	
	19-1023	Zoologists and Wildlife Biologists	
	19-2042	Geoscientists, Except Hydrologists and Geographers	
	19-4021	Biological Technicians	
	21-2099	Religious Workers, All Other	
	25-4013	Museum Technicians and Conservators	
	27-1027	Set and Exhibit Designers	
	27-1029	Designers, All Other	
	27-3011	Broadcast Announcers and Radio Disc Jockeys	
	29-1129	Therapists, All Other	
	29-1141	Registered Nurses	
Master's degree	19-3039	Psychologists, All Other	
	19-3094	Political Scientists	
	25-4011	Archivists	
	25-4012	Curators	
	29-1071	Physician Assistants	
Doctoral or professional degree	29-1151	Nurse Anesthetists	
	29-1171	Nurse Practitioners	
	25-1011	Business Teachers, Postsecondary	
	25-1031	Architecture Teachers, Postsecondary	
	25-1053	Environmental Science Teachers, Postsecondary	
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
	25-1069	Social Sciences Teachers, Postsecondary, All Other	
	25-1122	Communications Teachers, Postsecondary	
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary	
	25-1199	Postsecondary Teachers, All Other	
29-1181	Audiologists		
29-1243	Pediatric Surgeons		

Workforce Region 22 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	27-1019	Artists and Related Workers, All Other	
	27-2031	Dancers	
	37-2019	Building Cleaning Workers, All Other	
	37-3019	Grounds Maintenance Workers, All Other	
	39-3021	Motion Picture Projectionists	
	39-3031	Ushers, Lobby Attendants, and Ticket Takers	
	41-9011	Demonstrators and Product Promoters	
	41-9012	Models	
	47-3016	Helpers--Roofers	
	47-5013	Service Unit Operators, Oil and Gas	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	53-5011	Sailors and Marine Oilers	
	53-6021	Parking Attendants	
	53-7041	Hoist and Winch Operators	
	High school diploma or equivalent	11-9071	Gambling Managers
		21-1094	Community Health Workers
		27-2023	Umpires, Referees, and Other Sports Officials
27-2032		Choreographers	
27-4021		Photographers	
29-2092		Hearing Aid Specialists	
31-1120		Home Health and Personal Care Aides	
33-3011		Bailiffs	
37-3013		Tree Trimmers and Pruners	
39-3011		Gambling Dealers	
39-3093		Locker Room, Coatroom, and Dressing Room Attendants	
39-4021		Funeral Attendants	
39-6012		Concierges	
39-7010		Tour and Travel Guides	
39-9041		Residential Advisors	
41-3041		Travel Agents	
43-2011		Switchboard Operators, Including Answering Service	
43-3041		Gambling Cage Workers	
47-2171		Reinforcing Iron and Rebar Workers	
47-5081		Helpers--Extraction Workers	
49-9011		Mechanical Door Repairers	
51-2041		Structural Metal Fabricators and Fitters	
51-4032		Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-6092		Fabric and Apparel Patternmakers	
51-7099		Woodworkers, All Other	
51-8091		Chemical Plant and System Operators	
51-9023		Mixing and Blending Machine Setters, Operators, and Tenders	
51-9194		Etchers and Engravers	
Postsecondary nondegree award		29-2061	Licensed Practical and Licensed Vocational Nurses
		31-1131	Nursing Assistants
		35-2013	Cooks, Private Household
	49-2097	Audiovisual Equipment Installers and Repairers	
	53-5031	Ship Engineers	
Associate's degree	17-3025	Environmental Engineering Technologists and Technicians	
	27-4012	Broadcast Technicians	
	29-2031	Cardiovascular Technologists and Technicians	
	29-2033	Nuclear Medicine Technologists	
	29-2035	Magnetic Resonance Imaging Technologists	
Bachelor's degree	29-2051	Dietetic Technicians	
	17-2031	Bioengineers and Biomedical Engineers	
	19-1023	Zoologists and Wildlife Biologists	
	19-2042	Geoscientists, Except Hydrologists and Geographers	
	19-4021	Biological Technicians	
	25-4013	Museum Technicians and Conservators	
	27-1027	Set and Exhibit Designers	
	27-1029	Designers, All Other	
	27-3011	Broadcast Announcers and Radio Disc Jockeys	
	29-1125	Recreational Therapists	
	29-1129	Therapists, All Other	
Master's degree	29-1141	Registered Nurses	
	19-3039	Psychologists, All Other	
	19-3094	Political Scientists	
	25-4011	Archivists	
	25-4012	Curators	
	29-1071	Physician Assistants	
Doctoral or professional degree	29-1151	Nurse Anesthetists	
	29-1171	Nurse Practitioners	
	25-1011	Business Teachers, Postsecondary	
	25-1053	Environmental Science Teachers, Postsecondary	
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
	25-1069	Social Sciences Teachers, Postsecondary, All Other	
	25-1122	Communications Teachers, Postsecondary	
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary	
	25-1199	Postsecondary Teachers, All Other	
	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	27-1019	Artists and Related Workers, All Other	
	27-2031	Dancers	
	37-2019	Building Cleaning Workers, All Other	
	37-3019	Grounds Maintenance Workers, All Other	
	39-3021	Motion Picture Projectionists	
	39-3031	Ushers, Lobby Attendants, and Ticket Takers	
	41-9011	Demonstrators and Product Promoters	
	47-3016	Helpers--Roofers	
	47-5013	Service Unit Operators, Oil and Gas	
	47-5051	Rock Splitters, Quarry	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	53-5011	Sailors and Marine Oilers	
	53-6021	Parking Attendants	
	53-7041	Hoist and Winch Operators	
	High school diploma or equivalent	11-9071	Gambling Managers
		21-1094	Community Health Workers
		27-2023	Umpires, Referees, and Other Sports Officials
		27-2032	Choreographers
		27-4021	Photographers
		29-2092	Hearing Aid Specialists
31-1120		Home Health and Personal Care Aides	
33-3011		Bailiffs	
37-3013		Tree Trimmers and Pruners	
39-3011		Gambling Dealers	
39-3093		Locker Room, Coatroom, and Dressing Room Attendants	
39-4021		Funeral Attendants	
39-6012		Concierges	
39-7010		Tour and Travel Guides	
39-9041		Residential Advisors	
41-3041		Travel Agents	
43-2011		Switchboard Operators, Including Answering Service	
43-3041		Gambling Cage Workers	
45-4023		Log Graders and Scalars	
45-4029		Logging Workers, All Other	
47-2171		Reinforcing Iron and Rebar Workers	
47-5081		Helpers--Extraction Workers	
49-9011		Mechanical Door Repairers	
51-2041		Structural Metal Fabricators and Fitters	
51-4032		Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-6092		Fabric and Apparel Patternmakers	
51-7099		Woodworkers, All Other	
51-8091		Chemical Plant and System Operators	
51-9023		Mixing and Blending Machine Setters, Operators, and Tenders	
51-9194		Etchers and Engravers	
53-4011		Locomotive Engineers	
Postsecondary nondegree award		29-2061	Licensed Practical and Licensed Vocational Nurses
		31-1131	Nursing Assistants
	35-2013	Cooks, Private Household	
	49-2097	Audiovisual Equipment Installers and Repairers	
	51-4111	Tool and Die Makers	
	53-5031	Ship Engineers	
Associate's degree	17-3025	Environmental Engineering Technologists and Technicians	
	27-4012	Broadcast 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	11-2011	Advertising and Promotions Managers	
	17-1021	Cartographers and Photogrammetrists	
	17-2021	Agricultural Engineers	
	17-2031	Bioengineers and Biomedical Engineers	
	17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	
	19-1011	Animal Scientists	
	19-1031	Conservation Scientists	
	19-2042	Geoscientists, Except Hydrologists and Geographers	
	19-4021	Biological Technicians	
	21-2099	Religious Workers, All Other	
	25-4013	Museum Technicians and Conservators	
	27-1027	Set and Exhibit Designers	
	27-1029	Designers, All Other	
	27-3011	Broadcast Announcers and Radio Disc Jockeys	
	29-1129	Therapists, All Other	
	29-1141	Registered Nurses	
	Master's degree	19-3039	Psychologists, All Other
25-4011		Archivists	
25-4012		Curators	
29-1071		Physician Assistants	
Doctoral or professional degree	29-1151	Nurse Anesthetists	
	29-1171	Nurse Practitioners	
	25-1011	Business Teachers, Postsecondary	
	25-1053	Environmental Science Teachers, Postsecondary	
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
	25-1069	Social Sciences Teachers, Postsecondary, All Other	
	25-1122	Communications Teachers, Postsecondary	
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary	
	25-1199	Postsecondary Teachers, All Other	
	29-1024	Prosthodontists	
	29-1215	Family Medicine Physicians	

Workforce Region 24 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
No formal educational credential	27-2031	Dancers	
	33-9091	Crossing Guards and Flaggers	
	35-2019	Cooks, All Other	
	35-3041	Food Servers, Nonrestaurant	
	37-2019	Building Cleaning Workers, All Other	
	37-3019	Grounds Maintenance Workers, All Other	
	39-3021	Motion Picture Projectionists	
	39-3031	Ushers, Lobby Attendants, and Ticket Takers	
	39-5093	Shampooers	
	41-9011	Demonstrators and Product Promoters	
	45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	
	45-2099	Agricultural Workers, All Other	
	47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	
	47-3012	Helpers--Carpenters	
	47-3016	Helpers--Roofers	
	47-5013	Service Unit Operators, Oil and Gas	
	51-3021	Butchers and Meat Cutters	
	51-6051	Sewers, Hand	
	51-6052	Tailors, Dressmakers, and Custom Sewers	
	51-9022	Grinding and Polishing Workers, Hand	
	51-9123	Painting, Coating, and Decorating Workers	
	53-5011	Sailors and Marine Oilers	
	53-6021	Parking Attendants	
	53-7041	Hoist and Winch Operators	
	53-7061	Cleaners of Vehicles and Equipment	
	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	
	High school diploma or equivalent	11-9071	Gambling Managers
		11-9081	Lodging Managers
		21-1094	Community Health Workers
		27-1023	Floral Designers
		27-2023	Umpires, Referees, and Other Sports Officials
		27-2032	Choreographers
		27-3099	Media and Communication Workers, All Other
		27-4021	Photographers
		29-2092	Hearing Aid Specialists
31-1120		Home Health and Personal Care Aides	
33-3011		Bailiffs	
33-9011		Animal Control Workers	
33-9021		Private Detectives and Investigators	
37-3013		Tree Trimmers and Pruners	
39-1013		First-Line Supervisors of Gambling Services Workers	
39-3011		Gambling Dealers	
39-3093		Locker Room, Coatroom, and Dressing Room Attendants	
39-3099		Entertainment Attendants and Related Workers, All Other	
39-4021		Funeral Attendants	
39-6012		Concierges	
39-7010		Tour and Travel Guides	
39-9041		Residential Advisors	
43-2011		Switchboard Operators, Including Answering Service	
43-3041		Gambling Cage Workers	
43-4111		Interviewers, Except Eligibility and Loan	
45-4022		Logging Equipment Operators	
47-2121		Glaziers	
47-2171		Reinforcing Iron and Rebar Workers	
47-4061		Rail-Track Laying and Maintenance Equipment Operators	
47-5081		Helpers--Extraction Workers	
49-2096		Electronic Equipment Installers and Repairers, Motor Vehicles	
49-9011		Mechanical Door Repairers	
49-9096		Riggers	
51-2041		Structural Metal Fabricators and Fitters	
51-4032		Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	
51-4035		Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	
51-4122		Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	
51-6041		Shoe and Leather Workers and Repairers	
51-6092		Fabric and Apparel Patternmakers	
51-6093		Upholsterers	
51-7011		Cabinetmakers and Bench Carpenters	
51-7041		Sawing Machine Setters, Operators, and Tenders, Wood	
51-7099		Woodworkers, All Other	
51-8091		Chemical Plant and System Operators	
51-8099		Plant and System Operators, All Other	
51-9021		Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	
51-9023		Mixing and Blending Machine Setters, Operators, and Tenders	
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders		
51-9111	Packaging and Filling Machine Operators and Tenders		
51-9194	Etchers and Engravers		
51-9198	Helpers--Production Workers		
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians		
53-6041	Traffic Technicians		
53-6051	Transportation Inspectors		
53-6099	Transportation Workers, All Other		

Workforce Region 24 - Occupational Areas of Concern by Educational Requirement

Educational Requirement	SOC Code	SOC Title	
Some college, no degree	43-4151	Order Clerks	
	27-4011	Audio and Video Technicians	
Postsecondary nondegree award	27-4014	Sound Engineering Technicians	
	27-4015	Lighting Technicians	
	29-2061	Licensed Practical and Licensed Vocational Nurses	
	31-1131	Nursing Assistants	
	31-9011	Massage Therapists	
	35-2013	Cooks, Private Household	
	39-5012	Hairdressers, Hairstylists, and Cosmetologists	
	49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	
	49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	
	49-2097	Audiovisual Equipment Installers and Repairers	
	49-9092	Commercial Divers	
	51-4111	Tool and Die Makers	
	53-5021	Captains, Mates, and Pilots of Water Vessels	
	Associate's degree	17-3012	Electrical and Electronics Drafters
		17-3025	Environmental Engineering Technologists and Technicians
		17-3026	Industrial Engineering Technologists and Technicians
		17-3027	Mechanical Engineering Technologists and Technicians
		19-4071	Forest and Conservation Technicians
		25-2011	Preschool Teachers, Except Special Education
		27-4012	Broadcast 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	
49-2021		Radio, Cellular, and Tower Equipment Installers and Repairers	
Bachelor's degree	49-2091	Avionics Technicians	
	11-1011	Chief Executives	
	11-2011	Advertising and Promotions Managers	
	11-3111	Compensation and Benefits Managers	
	13-1075	Labor Relations Specialists	
	13-1121	Meeting, Convention, and Event Planners	
	13-2081	Tax Examiners and Collectors, and Revenue Agents	
	15-2011	Actuaries	
	17-1012	Landscape Architects	
	17-1021	Cartographers and Photogrammetrists	
	17-2031	Bioengineers and Biomedical Engineers	
	17-2131	Materials Engineers	
	17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	
	19-1013	Soil and Plant Scientists	
	19-1023	Zoologists and Wildlife Biologists	
	19-1031	Conservation Scientists	
	19-2042	Geoscientists, Except Hydrologists and Geographers	
	19-2043	Hydrologists	
	19-4021	Biological Technicians	
	21-2099	Religious Workers, All Other	
	25-2021	Elementary School Teachers, Except Special Education	
	25-4013	Museum Technicians and Conservators	
	27-1027	Set and Exhibit Designers	
	27-1029	Designers, All Other	
	27-3011	Broadcast Announcers and Radio Disc Jockeys	
	29-1129	Therapists, All Other	
	29-1141	Registered Nurses	
	Master's degree	15-2041	Statisticians
		19-3039	Psychologists, All Other
		19-3093	Historians
		25-4011	Archivists
		25-4012	Curators
		29-1071	Physician Assistants
29-1127		Speech-Language Pathologists	
29-1151		Nurse Anesthetists	
29-1161		Nurse Midwives	
29-1171		Nurse Practitioners	
Doctoral or professional degree	29-2091	Orthotists and Prosthetists	
	25-1011	Business Teachers, Postsecondary	
	25-1053	Environmental Science Teachers, Postsecondary	
	25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	
	25-1069	Social Sciences Teachers, Postsecondary, All Other	
	25-1122	Communications Teachers, Postsecondary	
	25-1193	Recreation and Fitness Studies Teachers, Postsecondary	
	25-1199	Postsecondary Teachers, All Other	
	29-1181	Audiologists	
	29-1213	Dermatologists	
29-1215	Family Medicine Physicians		