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53-3041.00
25-9041.00
25-3099.00
51-2092.00
27-2012.05
27-3042.00
15-1143.01
49-2022.00
49-9052.00

41-9041.00
43-2021.00
43-3071.00
47-2053.00
51-6061.00
51-6062.00
51-6063.00
51-6064.00
51-6099.00
29-1129.00

47-2044.00

51-2093.00

51-9197.00

49-3093.00

23-2093.00

51-4111.00

51-4194.00

39-7011.00

53-6041.00

11-3131.00

13-1151.00

33-3052.00

53-6061.00

17-2051.01

53-6051.00

11-3071.01

19-3099.01

33-9093.00

53-6051.07

53-6099.00

11-3071.00
41-3041.00
39-7012.00
11-3031.01
37-3013.00
25-3099.02
27-2023.00
51-6093.00
19-3051.00
29-1069.12

39-3031.00
17-2199.02
29-1131.00
31-9096.00
29-2056.00
15-1199.11
25-1194.00
35-3031.00
49-9064.00
51-8031.00

11-9121.02
17-2081.01
47-4099.03
15-1199.03
15-1134.00
43-5111.00
51-4121.06
51-4121.00
51-4122.00
53-7073.00

13-1022.00

17-2199.10

11-9199.09

11-9199.10

49-9081.00

51-7099.00

51-7042.00

43-9022.00

27-3043.00

19-1023.00

title
Accountants
Accountants and Auditors
Actors
Actuaries
Acupuncturists
Acute Care Nurses
Adapted Physical Education Specialists
Adhesive Bonding Machine Operators and Tenders
Administrative Law Judges, Adjudicators, and Hearing Officers
Administrative Services Managers

Adult Basic and Secondary Education and Literacy Teachers and Instructors
Advanced Practice Psychiatric Nurses
Advertising and Promotions Managers
Advertising Sales Agents
Aerospace Engineering and Operations Technicians
Aerospace Engineers
Agents and Business Managers of Artists, Performers, and Athletes
Agricultural and Food Science Technicians
Agricultural Engineers
Agricultural Equipment Operators

Agricultural Inspectors
Agricultural Sciences Teachers, Postsecondary
Agricultural Technicians
Agricultural Workers, All Other
Air Crew Members
Air Crew Officers
Air Traffic Controllers
Aircraft Cargo Handling Supervisors
Aircraft Launch and Recovery Officers
Aircraft Launch and Recovery Specialists

Aircraft Mechanics and Service Technicians
Aircraft Structure, Surfaces, Rigging, and Systems Assemblers
Airfield Operations Specialists
Airline Pilots, Copilots, and Flight Engineers
Allergists and Immunologists
Ambulance Drivers and Attendants, Except Emergency Medical Technicians
Amusement and Recreation Attendants
Anesthesiologist Assistants
Anesthesiologists
Animal Breeders

Animal Control Workers
Animal Scientists
Animal Trainers
Anthropologists
Anthropologists and Archeologists
Anthropology and Archeology Teachers, Postsecondary
Appraisers and Assessors of Real Estate
Appraisers, Real Estate
Aquacultural Managers
Arbitrators, Mediators, and Conciliators

Archeologists
Architects, Except Landscape and Naval
Architectural and Civil Drafters
Architectural and Engineering Managers
Architectural Drafters
Architecture Teachers, Postsecondary
Archivists
Area, Ethnic, and Cultural Studies Teachers, Postsecondary
Armored Assault Vehicle Crew Members
Armored Assault Vehicle Officers

Art Directors
Art Therapists
Art, Drama, and Music Teachers, Postsecondary
Artillery and Missile Crew Members
Artillery and Missile Officers
Artists and Related Workers, All Other
Assemblers and Fabricators, All Other
Assessors
Astronomers
Athletes and Sports Competitors

Athletic Trainers
Atmospheric and Space Scientists
Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary
Audio and Video Equipment Technicians
Audio-Visual and Multimedia Collections Specialists
Audiologists
Auditors
Automotive and Watercraft Service Attendants
Automotive Body and Related Repairers
Automotive Engineering Technicians

Automotive Engineers
Automotive Glass Installers and Repairers
Automotive Master Mechanics
Automotive Service Technicians and Mechanics
Automotive Specialty Technicians
Aviation Inspectors
Avionics Technicians
Baggage Porters and Bellhops
Bailiffs
Bakers

Barbers
Baristas
Bartenders
Bicycle Repairers
Bill and Account Collectors
Billing and Posting Clerks
Billing, Cost, and Rate Clerks
Biochemical Engineers
Biochemists and Biophysicists
Biofuels/Biodiesel Technology and Product Development Managers

Biofuels Processing Technicians
Biofuels Production Managers
Bioinformatics Scientists
Bioinformatics Technicians
Biological Science Teachers, Postsecondary
Biological Scientists, All Other
Biological Technicians
Biologists
Biomass Plant Technicians
Biomass Power Plant Managers

Biomedical Engineers
Biostatisticians
Boilermakers
Bookkeeping, Accounting, and Auditing Clerks
Brickmasons and Blockmasons
Bridge and Lock Tenders
Broadcast News Analysts
Broadcast Technicians
Brokerage Clerks
Brownfield Redevelopment Specialists and Site Managers

Budget Analysts
Building Cleaning Workers, All Other
Bus and Truck Mechanics and Diesel Engine Specialists
Bus Drivers, School or Special Client
Bus Drivers, Transit and Intercity
Business Continuity Planners
Business Intelligence Analysts
Business Operations Specialists, All Other
Business Teachers, Postsecondary
Butchers and Meat Cutters

Buyers and Purchasing Agents, Farm Products
Cabinetmakers and Bench Carpenters
Camera and Photographic Equipment Repairers
Camera Operators, Television, Video, and Motion Picture
Captains, Mates, and Pilots of Water Vessels
Cardiovascular Technologists and Technicians
Career/Technical Education Teachers, Middle School
Career/Technical Education Teachers, Secondary School
Cargo and Freight Agents
Carpenters

Carpet Installers
Cartographers and Photogrammetrists
Cashiers
Cement Masons and Concrete Finishers
Chefs and Head Cooks
Chemical Engineers
Chemical Equipment Operators and Tenders
Chemical Plant and System Operators
Chemical Technicians
Chemistry Teachers, Postsecondary

Chemists
Chief Executives
Chief Sustainability Officers
Child, Family, and School Social Workers
Childcare Workers
Chiropractors
Choreographers
City and Regional Planning Aides
Civil Drafters
Civil Engineering Technicians

Civil Engineers
Claims Adjusters, Examiners, and Investigators
Claims Examiners, Property and Casualty Insurance
Cleaners of Vehicles and Equipment
Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders
Clergy
Climate Change Analysts
Clinical Data Managers
Clinical Nurse Specialists
Clinical Psychologists

Clinical Research Coordinators
Clinical, Counseling, and School Psychologists
Coaches and Scouts
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders
Coil Winders, Tapers, and Finishers
Coin, Vending, and Amusement Machine Servicers and Repairers
Combined Food Preparation and Serving Workers, Including Fast Food
Command and Control Center Officers
Command and Control Center Specialists
Commercial and Industrial Designers

Commercial Divers
Commercial Pilots
Communications Equipment Operators, All Other
Communications Teachers, Postsecondary
Community and Social Service Specialists, All Other
Community Health Workers
Compensation and Benefits Managers
Compensation, Benefits, and Job Analysis Specialists
Compliance Managers
Compliance Officers

Computer and Information Research Scientists
Computer and Information Systems Managers
Computer Hardware Engineers
Computer Network Architects
Computer Network Support Specialists
Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic
Computer Occupations, All Other
Computer Operators
Computer Programmers
Computer Science Teachers, Postsecondary

Computer Systems Analysts
Computer Systems Engineers/Architects
Computer User Support Specialists
Computer, Automated Teller, and Office Machine Repairers
Computer-Controlled Machine Tool Operators, Metal and Plastic
Concierges
Conservation Scientists
Construction and Building Inspectors
Construction and Related Workers, All Other
Construction Carpenters

Construction Laborers
Construction Managers
Continuous Mining Machine Operators
Control and Valve Installers and Repairers, Except Mechanical Door
Conveyor Operators and Tenders
Cooks, All Other
Cooks, Fast Food
Cooks, Institution and Cafeteria
Cooks, Private Household
Cooks, Restaurant

Cooks, Short Order
Cooling and Freezing Equipment Operators and Tenders
Copy Writers
Coroners
Correctional Officers and Jailers
Correspondence Clerks
Cost Estimators
Costume Attendants
Counseling Psychologists
Counselors, All Other

Counter and Rental Clerks
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop
Couriers and Messengers
Court Clerks
Court Reporters
Court, Municipal, and License Clerks
Craft Artists
Crane and Tower Operators
Credit Analysts
Credit Authorizers

Credit Authorizers, Checkers, and Clerks
Credit Checkers
Credit Counselors
Criminal Investigators and Special Agents
Criminal Justice and Law Enforcement Teachers, Postsecondary
Critical Care Nurses
Crossing Guards
Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders
Curators
Customer Service Representatives

Customs Brokers
Cutters and Trimmers, Hand
Cutting and Slicing Machine Setters, Operators, and Tenders
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic
Cytogenetic Technologists
Cytotechnologists
Dancers
Data Entry Keyers
Data Warehousing Specialists
Database Administrators

Database Architects
Demonstrators and Product Promoters
Dental Assistants
Dental Hygienists
Dental Laboratory Technicians
Dentists, All Other Specialists
Dentists, General
Dermatologists
Derrick Operators, Oil and Gas
Designers, All Other

Desktop Publishers
Detectives and Criminal Investigators
Diagnostic Medical Sonographers
Dietetic Technicians
Dietitians and Nutritionists
Dining Room and Cafeteria Attendants and Bartender Helpers
Directors, Religious Activities and Education
Directors- Stage, Motion Pictures, Television, and Radio
Dishwashers
Dispatchers, Except Police, Fire, and Ambulance

Distance Learning Coordinators
Document Management Specialists
Door-To-Door Sales Workers, News and Street Vendors, and Related Workers
Drafters, All Other
Dredge Operators
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic
Driver/Sales Workers
Drywall and Ceiling Tile Installers
Earth Drillers, Except Oil and Gas
Economics Teachers, Postsecondary

Economists
Editors
Education Administrators, All Other
Education Administrators, Elementary and Secondary School
Education Administrators, Postsecondary
Education Administrators, Preschool and Childcare Center/Program
Education Teachers, Postsecondary
Education, Training, and Library Workers, All Other
Educational, Guidance, School, and Vocational Counselors
Electric Motor, Power Tool, and Related Repairers

Electrical and Electronic Engineering Technicians
Electrical and Electronic Equipment Assemblers
Electrical and Electronics Drafters
Electrical and Electronics Installers and Repairers, Transportation Equipment
Electrical and Electronics Repairers, Commercial and Industrial Equipment
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay
Electrical Drafters
Electrical Engineering Technicians
Electrical Engineering Technologists
Electrical Engineers

Electrical Power-Line Installers and Repairers
Electricians
Electro-Mechanical Technicians
Electromechanical Engineering Technologists
Electromechanical Equipment Assemblers
Electronic Drafters
Electronic Equipment Installers and Repairers, Motor Vehicles
Electronic Home Entertainment Equipment Installers and Repairers
Electronics Engineering Technicians
Electronics Engineering Technologists

Electronics Engineers, Except Computer
Elementary School Teachers, Except Special Education
Elevator Installers and Repairers
Eligibility Interviewers, Government Programs
Embalmers
Emergency Management Directors
Emergency Medical Technicians and Paramedics
Endoscopy Technicians
Energy Auditors
Energy Brokers

Energy Engineers
Engine and Other Machine Assemblers
Engineering Teachers, Postsecondary
Engineering Technicians, Except Drafters, All Other
Engineers, All Other
English Language and Literature Teachers, Postsecondary
Entertainers and Performers, Sports and Related Workers, All Other
Entertainment Attendants and Related Workers, All Other
Environmental Compliance Inspectors
Environmental Economists

Environmental Engineering Technicians
Environmental Engineers
Environmental Restoration Planners
Environmental Science and Protection Technicians, Including Health
Environmental Science Teachers, Postsecondary
Environmental Scientists and Specialists, Including Health
Epidemiologists
Equal Opportunity Representatives and Officers
Etchers and Engravers
Excavating and Loading Machine and Dragline Operators

Executive Secretaries and Executive Administrative Assistants
Exercise Physiologists
Explosives Workers, Ordnance Handling Experts, and Blasters
Extraction Workers, All Other
Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic
Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers
Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders
Fabric and Apparel Patternmakers
Fabric Menders, Except Garment
Fallers

Family and General Practitioners
Farm and Home Management Advisors
Farm and Ranch Managers
Farm Equipment Mechanics and Service Technicians
Farm Labor Contractors
Farmers, Ranchers, and Other Agricultural Managers
Farmworkers and Laborers, Crop
Farmworkers and Laborers, Crop, Nursery, and Greenhouse
Farmworkers, Farm, Ranch, and Aquacultural Animals
Fashion Designers

Fence Erectors
Fiberglass Laminators and Fabricators
File Clerks
Film and Video Editors
Financial Analysts
Financial Clerks, All Other
Financial Examiners
Financial Managers
Financial Managers, Branch or Department
Financial Quantitative Analysts

Financial Specialists, All Other
Fine Artists, Including Painters, Sculptors, and Illustrators
Fire Inspectors
Fire Inspectors and Investigators
Fire Investigators
Fire-Prevention and Protection Engineers
Firefighters
First-Line Supervisors of Agricultural Crop and Horticultural Workers
First-Line Supervisors of Air Crew Members
First-Line Supervisors of All Other Tactical Operations Specialists

First-Line Supervisors of Animal Husbandry and Animal Care Workers
First-Line Supervisors of Aquacultural Workers
First-Line Supervisors of Construction Trades and Extraction Workers
First-Line Supervisors of Correctional Officers
First-Line Supervisors of Farming, Fishing, and Forestry Workers
First-Line Supervisors of Fire Fighting and Prevention Workers
First-Line Supervisors of Food Preparation and Serving Workers
First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand
First-Line Supervisors of Housekeeping and Janitorial Workers
First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers

First-Line Supervisors of Logging Workers
First-Line Supervisors of Mechanics, Installers, and Repairers
First-Line Supervisors of Non-Retail Sales Workers
First-Line Supervisors of Office and Administrative Support Workers
First-Line Supervisors of Personal Service Workers
First-Line Supervisors of Police and Detectives
First-Line Supervisors of Production and Operating Workers
First-Line Supervisors of Protective Service Workers, All Other
First-Line Supervisors of Retail Sales Workers
First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators

First-Line Supervisors of Weapons Specialists/Crew Members
Fish and Game Wardens
Fishers and Related Fishing Workers
Fitness and Wellness Coordinators
Fitness Trainers and Aerobics Instructors
Flight Attendants
Floor Layers, Except Carpet, Wood, and Hard Tiles
Floor Sanders and Finishers
Floral Designers
Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders

Food Batchmakers
Food Cooking Machine Operators and Tenders
Food Preparation and Serving Related Workers, All Other
Food Preparation Workers
Food Processing Workers, All Other
Food Science Technicians
Food Scientists and Technologists
Food Servers, Nonrestaurant
Food Service Managers
Foreign Language and Literature Teachers, Postsecondary

Forensic Science Technicians
Forest and Conservation Technicians
Forest and Conservation Workers
Forest Fire Fighting and Prevention Supervisors
Forest Fire Inspectors and Prevention Specialists
Forest Firefighters
Foresters
Forestry and Conservation Science Teachers, Postsecondary
Forging Machine Setters, Operators, and Tenders, Metal and Plastic
Foundry Mold and Coremakers

Fraud Examiners, Investigators and Analysts
Freight and Cargo Inspectors
Freight Forwarders
Fuel Cell Engineers
Fuel Cell Technicians
Fundraisers
Funeral Attendants
Funeral Service Managers
Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders
Furniture Finishers

Gaming and Sports Book Writers and Runners
Gaming Cage Workers
Gaming Change Persons and Booth Cashiers
Gaming Dealers
Gaming Managers
Gaming Service Workers, All Other
Gaming Supervisors
Gaming Surveillance Officers and Gaming Investigators
Gas Compressor and Gas Pumping Station Operators
Gas Plant Operators

Gem and Diamond Workers
General and Operations Managers
Genetic Counselors
Geneticists
Geodetic Surveyors
Geographers
Geographic Information Systems Technicians
Geography Teachers, Postsecondary
Geological and Petroleum Technicians
Geological Sample Test Technicians

Geophysical Data Technicians
Geoscientists, Except Hydrologists and Geographers
Geospatial Information Scientists and Technologists
Geothermal Production Managers
Geothermal Technicians
Glass Blowers, Molders, Benders, and Finishers
Glaziers
Government Property Inspectors and Investigators
Graders and Sorters, Agricultural Products
Graduate Teaching Assistants

Graphic Designers
Green Marketers
Grinding and Polishing Workers, Hand
Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic
Grounds Maintenance Workers, All Other
Hairdressers, Hairstylists, and Cosmetologists
Hazardous Materials Removal Workers
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors
Health Diagnosing and Treating Practitioners, All Other
Health Educators

Health Specialties Teachers, Postsecondary
Health Technologists and Technicians, All Other
Healthcare Practitioners and Technical Workers, All Other
Healthcare Social Workers
Healthcare Support Workers, All Other
Hearing Aid Specialists
Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic
Heating and Air Conditioning Mechanics and Installers
Heating, Air Conditioning, and Refrigeration Mechanics and Installers
Heavy and Tractor-Trailer Truck Drivers

Helpers, Construction Trades, All Other
Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters
Helpers--Carpenters
Helpers--Electricians
Helpers--Extraction Workers
Helpers--Installation, Maintenance, and Repair Workers
Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons
Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters
Helpers--Production Workers
Helpers--Roofers

Highway Maintenance Workers
Historians
History Teachers, Postsecondary
Histotechnologists and Histologic Technicians
Hoist and Winch Operators
Home Appliance Repairers
Home Economics Teachers, Postsecondary
Home Health Aides
Hospitalists
Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop

Hotel, Motel, and Resort Desk Clerks
Human Factors Engineers and Ergonomists
Human Resources Assistants, Except Payroll and Timekeeping
Human Resources Managers
Human Resources Specialists
Hunters and Trappers
Hydroelectric Plant Technicians
Hydroelectric Production Managers
Hydrologists
Immigration and Customs Inspectors

Industrial Ecologists
Industrial Engineering Technicians
Industrial Engineering Technologists
Industrial Engineers
Industrial Machinery Mechanics
Industrial Production Managers
Industrial Safety and Health Engineers
Industrial Truck and Tractor Operators
Industrial-Organizational Psychologists
Infantry

Infantry Officers
Informatics Nurse Specialists
Information and Record Clerks, All Other
Information Security Analysts
Information Technology Project Managers
Inspectors, Testers, Sorters, Samplers, and Weighers
Installation, Maintenance, and Repair Workers, All Other
Instructional Coordinators
Instructional Designers and Technologists
Insulation Workers, Floor, Ceiling, and Wall

Insulation Workers, Mechanical
Insurance Adjusters, Examiners, and Investigators
Insurance Appraisers, Auto Damage
Insurance Claims and Policy Processing Clerks
Insurance Claims Clerks
Insurance Policy Processing Clerks
Insurance Sales Agents
Insurance Underwriters
Intelligence Analysts
Interior Designers

Internists, General
Interpreters and Translators
Interviewers, Except Eligibility and Loan
Investment Fund Managers
Investment Underwriters
Janitors and Cleaners, Except Maids and Housekeeping Cleaners
Jewelers
Jewelers and Precious Stone and Metal Workers
Judges, Magistrate Judges, and Magistrates
Judicial Law Clerks

Kindergarten Teachers, Except Special Education
Labor Relations Specialists
Laborers and Freight, Stock, and Material Movers, Hand
Landscape Architects
Landscaping and Groundskeeping Workers
Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic
Laundry and Dry-Cleaning Workers
Law Teachers, Postsecondary
Lawyers
Layout Workers, Metal and Plastic

Legal Secretaries
Legal Support Workers, All Other
Legislators
Librarians
Library Assistants, Clerical
Library Science Teachers, Postsecondary
Library Technicians
License Clerks
Licensed Practical and Licensed Vocational Nurses
Licensing Examiners and Inspectors

Life Scientists, All Other
Life, Physical, and Social Science Technicians, All Other
Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers
Light Truck or Delivery Services Drivers
Loading Machine Operators, Underground Mining
Loan Counselors
Loan Interviewers and Clerks
Loan Officers
Locker Room, Coatroom, and Dressing Room Attendants
Locksmiths and Safe Repairers

Locomotive Engineers
Locomotive Firers
Lodging Managers
Log Graders and Scalers
Logging Equipment Operators
Logging Workers, All Other
Logisticians
Logistics Analysts
Logistics Engineers
Logistics Managers

Loss Prevention Managers
Low Vision Therapists, Orientation and Mobility Specialists, and Vision Rehabilitation Therap
Machine Feeders and Offbearers
Machinists
Magnetic Resonance Imaging Technologists
Maids and Housekeeping Cleaners
Mail Clerks and Mail Machine Operators, Except Postal Service
Maintenance and Repair Workers, General
Maintenance Workers, Machinery
Makeup Artists, Theatrical and Performance

Management Analysts
Managers, All Other
Manicurists and Pedicurists
Manufactured Building and Mobile Home Installers
Manufacturing Engineering Technologists
Manufacturing Engineers
Manufacturing Production Technicians
Mapping Technicians
Marine Architects
Marine Engineers

Marine Engineers and Naval Architects
Market Research Analysts and Marketing Specialists
Marketing Managers
Marking Clerks
Marriage and Family Therapists
Massage Therapists
Material Moving Workers, All Other
Materials Engineers
Materials Scientists
Mates- Ship, Boat, and Barge

Mathematical Science Occupations, All Other
Mathematical Science Teachers, Postsecondary
Mathematical Technicians
Mathematicians
Meat, Poultry, and Fish Cutters and Trimmers
Mechanical Door Repairers
Mechanical Drafters
Mechanical Engineering Technicians
Mechanical Engineering Technologists
Mechanical Engineers

Mechatronics Engineers
Media and Communication Equipment Workers, All Other
Media and Communication Workers, All Other
Medical and Clinical Laboratory Technicians
Medical and Clinical Laboratory Technologists
Medical and Health Services Managers
Medical Appliance Technicians
Medical Assistants
Medical Equipment Preparers
Medical Equipment Repairers

Medical Records and Health Information Technicians
Medical Scientists, Except Epidemiologists
Medical Secretaries
Medical Transcriptionists
Meeting, Convention, and Event Planners
Mental Health and Substance Abuse Social Workers
Mental Health Counselors
Merchandise Displayers and Window Trimmers
Metal Workers and Plastic Workers, All Other
Metal-Refining Furnace Operators and Tenders

Meter Readers, Utilities
Methane/Landfill Gas Collection System Operators
Methane/Landfill Gas Generation System Technicians
Microbiologists
Microsystems Engineers
Middle School Teachers, Except Special and Career/Technical Education
Midwives
Military Enlisted Tactical Operations and Air/Weapons Specialists and Crew Members, All Other
Military Officer Special and Tactical Operations Leaders, All Other
Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic

Millwrights
Mine Cutting and Channeling Machine Operators
Mine Shuttle Car Operators
Mining and Geological Engineers, Including Mining Safety Engineers
Mining Machine Operators, All Other
Mixing and Blending Machine Setters, Operators, and Tenders
Mobile Heavy Equipment Mechanics, Except Engines
Model Makers, Metal and Plastic
Model Makers, Wood
Models

Molders, Shapers, and Casters, Except Metal and Plastic
Molding and Casting Workers
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic
Molecular and Cellular Biologists
Morticians, Undertakers, and Funeral Directors
Motion Picture Projectionists
Motor Vehicle Operators, All Other
Motorboat Mechanics and Service Technicians
Motorboat Operators
Motorcycle Mechanics

Multimedia Artists and Animators
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic
Municipal Clerks
Municipal Fire Fighting and Prevention Supervisors
Municipal Firefighters
Museum Technicians and Conservators
Music Composers and Arrangers
Music Directors
Music Directors and Composers
Music Therapists

Musical Instrument Repairers and Tuners
Musicians and Singers
Musicians, Instrumental
Nannies
Nanosystems Engineers
Nanotechnology Engineering Technicians
Nanotechnology Engineering Technologists
Natural Sciences Managers
Naturopathic Physicians
Network and Computer Systems Administrators

Neurodiagnostic Technologists
Neurologists
Neuropsychologists and Clinical Neuropsychologists
New Accounts Clerks
Non-Destructive Testing Specialists
Nonfarm Animal Caretakers
Nuclear Engineers
Nuclear Equipment Operation Technicians
Nuclear Medicine Physicians
Nuclear Medicine Technologists

Nuclear Monitoring Technicians
Nuclear Power Reactor Operators
Nuclear Technicians
Nurse Anesthetists
Nurse Midwives
Nurse Practitioners
Nursery and Greenhouse Managers
Nursery Workers
Nursing Assistants
Nursing Instructors and Teachers, Postsecondary

Obstetricians and Gynecologists
Occupational Health and Safety Specialists
Occupational Health and Safety Technicians
Occupational Therapists
Occupational Therapy Aides
Occupational Therapy Assistants
Office and Administrative Support Workers, All Other
Office Clerks, General
Office Machine Operators, Except Computer
Online Merchants

Operating Engineers and Other Construction Equipment Operators
Operations Research Analysts
Ophthalmic Laboratory Technicians
Ophthalmic Medical Technicians
Ophthalmic Medical Technologists
Ophthalmologists
Opticians, Dispensing
Optometrists
Oral and Maxillofacial Surgeons
Order Clerks

Order Fillers, Wholesale and Retail Sales
Orderlies
Orthodontists
Orthoptists
Orthotists and Prosthetists
Outdoor Power Equipment and Other Small Engine Mechanics
Packaging and Filling Machine Operators and Tenders
Packers and Packers, Hand
Painters, Construction and Maintenance
Painters, Transportation Equipment

Painting, Coating, and Decorating Workers

Paper Goods Machine Setters, Operators, and Tenders

Paperhangers

Paralegals and Legal Assistants

Park Naturalists

Parking Enforcement Workers

Parking Lot Attendants

Parts Salespersons

Pathologists

Patient Representatives

Patternmakers, Metal and Plastic
Patternmakers, Wood
Paving, Surfacing, and Tamping Equipment Operators
Payroll and Timekeeping Clerks
Pediatricians, General
Personal Care Aides
Personal Care and Service Workers, All Other
Personal Financial Advisors
Pest Control Workers
Pesticide Handlers, Sprayers, and Applicators, Vegetation

Petroleum Engineers
Petroleum Pump System Operators, Refinery Operators, and Gaugers
Pharmacists
Pharmacy Aides
Pharmacy Technicians
Philosophy and Religion Teachers, Postsecondary
Phlebotomists
Photographers
Photographic Process Workers and Processing Machine Operators
Photonics Engineers

Photonics Technicians
Physical Medicine and Rehabilitation Physicians
Physical Scientists, All Other
Physical Therapist Aides
Physical Therapist Assistants
Physical Therapists
Physician Assistants
Physicians and Surgeons, All Other
Physicists
Physics Teachers, Postsecondary

Pile-Driver Operators
Pilots, Ship
Pipe Fitters and Steamfitters
Pipelayers
Plant and System Operators, All Other
Plasterers and Stucco Masons
Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic
Plumbers
Plumbers, Pipefitters, and Steamfitters
Podiatrists

Poets, Lyricists and Creative Writers
Police and Sheriff's Patrol Officers
Police Detectives
Police Identification and Records Officers
Police Patrol Officers
Police, Fire, and Ambulance Dispatchers
Political Science Teachers, Postsecondary
Political Scientists
Postal Service Clerks
Postal Service Mail Carriers

Postal Service Mail Sorters, Processors, and Processing Machine Operators
Postmasters and Mail Superintendents
Postsecondary Teachers, All Other
Potters, Manufacturing
Pourers and Casters, Metal
Power Distributors and Dispatchers
Power Plant Operators
Precious Metal Workers
Precision Agriculture Technicians
Precision Instrument and Equipment Repairers, All Other

Prepress Technicians and Workers
Preschool Teachers, Except Special Education
Pressers, Textile, Garment, and Related Materials
Preventive Medicine Physicians
Print Binding and Finishing Workers
Printing Press Operators
Private Detectives and Investigators
Probation Officers and Correctional Treatment Specialists
Procurement Clerks
Producers

Producers and Directors
Product Safety Engineers
Production Workers, All Other
Production, Planning, and Expediting Clerks
Program Directors
Proofreaders and Copy Markers
Property, Real Estate, and Community Association Managers
Prosthodontists
Protective Service Workers, All Other
Psychiatric Aides

Psychiatric Technicians
Psychiatrists
Psychologists, All Other
Psychology Teachers, Postsecondary
Public Address System and Other Announcers
Public Relations and Fundraising Managers
Public Relations Specialists
Pump Operators, Except Wellhead Pumpers
Purchasing Agents, Except Wholesale, Retail, and Farm Products
Purchasing Managers

Quality Control Analysts

Quality Control Systems Managers

Radar and Sonar Technicians

Radiation Therapists

Radio and Television Announcers

Radio Frequency Identification Device Specialists

Radio Mechanics

Radio Operators

Radio, Cellular, and Tower Equipment Installers and Repairers

Radiologic Technicians

Radiologic Technologists
Radiologists
Rail Car Repairers
Rail Transportation Workers, All Other
Rail Yard Engineers, Dinkey Operators, and Hostlers
Rail-Track Laying and Maintenance Equipment Operators
Railroad Brake, Signal, and Switch Operators
Railroad Conductors and Yardmasters
Range Managers
Real Estate Brokers

Real Estate Sales Agents
Receptionists and Information Clerks
Recreation and Fitness Studies Teachers, Postsecondary
Recreation Workers
Recreational Therapists
Recreational Vehicle Service Technicians
Recycling and Reclamation Workers
Recycling Coordinators
Refractory Materials Repairers, Except Brickmasons
Refrigeration Mechanics and Installers

Refuse and Recyclable Material Collectors
Registered Nurses
Regulatory Affairs Managers
Regulatory Affairs Specialists
Rehabilitation Counselors
Reinforcing Iron and Rebar Workers
Religious Workers, All Other
Remote Sensing Scientists and Technologists
Remote Sensing Technicians
Reporters and Correspondents

Reservation and Transportation Ticket Agents and Travel Clerks
Residential Advisors
Respiratory Therapists
Respiratory Therapy Technicians
Retail Loss Prevention Specialists
Retail Salespersons
Riggers
Risk Management Specialists
Robotics Engineers
Robotics Technicians

Rock Splitters, Quarry
Rolling Machine Setters, Operators, and Tenders, Metal and Plastic
Roof Bolters, Mining
Roofers
Rotary Drill Operators, Oil and Gas
Rough Carpenters
Roustabouts, Oil and Gas
Sailors and Marine Oilers
Sales Agents, Financial Services
Sales Agents, Securities and Commodities

Sales and Related Workers, All Other
Sales Engineers
Sales Managers
Sales Representatives, Services, All Other
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products
Sawing Machine Setters, Operators, and Tenders, Wood
School Psychologists
Search Marketing Strategists
Secondary School Teachers, Except Special and Career/Technical Education

Secretaries and Administrative Assistants, Except Legal, Medical, and Executive
Securities and Commodities Traders
Securities, Commodities, and Financial Services Sales Agents
Security and Fire Alarm Systems Installers
Security Guards
Security Management Specialists
Security Managers
Segmental Pavers
Self-Enrichment Education Teachers
Semiconductor Processors

Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders
Septic Tank Servicers and Sewer Pipe Cleaners
Service Unit Operators, Oil, Gas, and Mining
Set and Exhibit Designers
Sewers, Hand
Sewing Machine Operators
Shampooers
Sheet Metal Workers
Sheriffs and Deputy Sheriffs
Ship and Boat Captains

Ship Engineers
Shipping, Receiving, and Traffic Clerks
Shoe and Leather Workers and Repairers
Shoe Machine Operators and Tenders
Signal and Track Switch Repairers
Singers
Skincare Specialists
Slaughterers and Meat Packers
Slot Supervisors
Social and Community Service Managers

Social and Human Service Assistants
Social Science Research Assistants
Social Sciences Teachers, Postsecondary, All Other
Social Scientists and Related Workers, All Other
Social Work Teachers, Postsecondary
Social Workers, All Other
Sociologists
Sociology Teachers, Postsecondary
Software Developers, Applications
Software Developers, Systems Software

Software Quality Assurance Engineers and Testers
Soil and Plant Scientists
Soil and Water Conservationists
Solar Energy Installation Managers
Solar Energy Systems Engineers
Solar Photovoltaic Installers
Solar Sales Representatives and Assessors
Solar Thermal Installers and Technicians
Solderers and Brazers
Sound Engineering Technicians

Spa Managers
Special Education Teachers, All Other
Special Education Teachers, Kindergarten and Elementary School
Special Education Teachers, Middle School
Special Education Teachers, Preschool
Special Education Teachers, Secondary School
Special Forces
Special Forces Officers
Speech-Language Pathologists
Speech-Language Pathology Assistants

Sports Medicine Physicians
Statement Clerks
Stationary Engineers and Boiler Operators
Statistical Assistants
Statisticians
Stock Clerks and Order Fillers
Stock Clerks, Sales Floor
Stock Clerks- Stockroom, Warehouse, or Storage Yard
Stone Cutters and Carvers, Manufacturing
Stonemasons

Storage and Distribution Managers
Structural Iron and Steel Workers
Structural Metal Fabricators and Fitters
Substance Abuse and Behavioral Disorder Counselors
Subway and Streetcar Operators
Supply Chain Managers
Surgeons
Surgical Assistants
Surgical Technologists
Survey Researchers

Surveying and Mapping Technicians
Surveying Technicians
Surveyors
Sustainability Specialists
Switchboard Operators, Including Answering Service
Tailors, Dressmakers, and Custom Sewers
Talent Directors
Tank Car, Truck, and Ship Loaders
Tapers
Tax Examiners and Collectors, and Revenue Agents

Tax Preparers
Taxi Drivers and Chauffeurs
Teacher Assistants
Teachers and Instructors, All Other
Team Assemblers
Technical Directors/Managers
Technical Writers
Telecommunications Engineering Specialists
Telecommunications Equipment Installers and Repairers, Except Line Installers
Telecommunications Line Installers and Repairers

Telemarketers
Telephone Operators
Tellers
Terrazzo Workers and Finishers
Textile Bleaching and Dyeing Machine Operators and Tenders
Textile Cutting Machine Setters, Operators, and Tenders
Textile Knitting and Weaving Machine Setters, Operators, and Tenders
Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders
Textile, Apparel, and Furnishings Workers, All Other
Therapists, All Other

Tile and Marble Setters
Timing Device Assemblers and Adjusters
Tire Builders
Tire Repairers and Changers
Title Examiners, Abstractors, and Searchers
Tool and Die Makers
Tool Grinders, Filers, and Sharpeners
Tour Guides and Escorts
Traffic Technicians
Training and Development Managers

Training and Development Specialists
Transit and Railroad Police
Transportation Attendants, Except Flight Attendants
Transportation Engineers
Transportation Inspectors
Transportation Managers
Transportation Planners
Transportation Security Screeners
Transportation Vehicle, Equipment and Systems Inspectors, Except Aviation
Transportation Workers, All Other

Transportation, Storage, and Distribution Managers
Travel Agents
Travel Guides
Treasurers and Controllers
Tree Trimmers and Pruners
Tutors
Umpires, Referees, and Other Sports Officials
Upholsterers
Urban and Regional Planners
Urologists

Ushers, Lobby Attendants, and Ticket Takers
Validation Engineers
Veterinarians
Veterinary Assistants and Laboratory Animal Caretakers
Veterinary Technologists and Technicians
Video Game Designers
Vocational Education Teachers, Postsecondary
Waiters and Waitresses
Watch Repairers
Water and Wastewater Treatment Plant and System Operators

Water Resource Specialists
Water/Wastewater Engineers
Weatherization Installers and Technicians
Web Administrators
Web Developers
Weighers, Measurers, Checkers, and Samplers, Recordkeeping
Welders, Cutters, and Welder Fitters
Welders, Cutters, Solderers, and Brazers
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders
Wellhead Pumpers

Wholesale and Retail Buyers, Except Farm Products
Wind Energy Engineers
Wind Energy Operations Managers
Wind Energy Project Managers
Wind Turbine Service Technicians
Woodworkers, All Other
Woodworking Machine Setters, Operators, and Tenders, Except Sawing
Word Processors and Typists
Writers and Authors
Zoologists and Wildlife Biologists

body
Accountants
Analyze financial information and prepare financial reports to determine or maintain record of assets, liabilities, profit and loss.
Accountants and Auditors
Examine, analyze, and interpret accounting records to prepare financial statements, give advice, or audit and evaluate statements.
Actors
Play parts in stage, television, radio, video, motion picture productions, or other settings for entertainment, information, or instruction.
Actuaries
Analyze statistical data, such as mortality, accident, sickness, disability, and retirement rates and construct probability tables to estimate the financial requirements of pension and insurance plans.
Acupuncturists
Provide treatment of symptoms and disorders using needles and small electrical currents. May provide massage treatment. May also provide dietary and lifestyle advice.
Acute Care Nurses
Provide advanced nursing care for patients with acute conditions such as heart attacks, respiratory distress syndrome, or shock.
Adapted Physical Education Specialists
Provide individualized physical education instruction or services to children, youth, or adults with exceptional physical needs.
Adhesive Bonding Machine Operators and Tenders
Operate or tend bonding machines that use adhesives to join items for further processing or to form a completed product. Pr
Administrative Law Judges, Adjudicators, and Hearing Officers
Conduct hearings to recommend or make decisions on claims concerning government programs or other government-related matters.
Administrative Services Managers
Plan, direct, or coordinate one or more administrative services of an organization, such as records and information management.

Adult Basic and Secondary Education and Literacy Teachers and Instructors
Teach or instruct out-of-school youths and adults in remedial education classes, preparatory classes for the General Education
Advanced Practice Psychiatric Nurses
Provide advanced nursing care for patients with psychiatric disorders. May provide psychotherapy under the direction of a psy
Advertising and Promotions Managers
Plan, direct, or coordinate advertising policies and programs or produce collateral materials, such as posters, contests, coupon
Advertising Sales Agents
Sell or solicit advertising space, time, or media in publications, signage, TV, radio, or the Internet. Includes individuals who ob
Aerospace Engineering and Operations Technicians
Operate, install, calibrate, and maintain integrated computer/communications systems, consoles, simulators, and other data a
Aerospace Engineers
Perform engineering duties in designing, constructing, and testing aircraft, missiles, and spacecraft. May conduct basic and ap
Agents and Business Managers of Artists, Performers, and Athletes
Represent and promote artists, performers, and athletes in dealings with current or prospective employers. May handle contr
Agricultural and Food Science Technicians
Work with agricultural and food scientists in food, fiber, and animal research, production, and processing; and assist with anim
Agricultural Engineers
Apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machi
Agricultural Equipment Operators
Drive and control farm equipment to till soil and to plant, cultivate, and harvest crops. May perform tasks, such as crop baling

Agricultural Inspectors

Inspect agricultural commodities, processing equipment, and facilities, and fish and logging operations, to ensure compliance

Agricultural Sciences Teachers, Postsecondary

Teach courses in the agricultural sciences. Includes teachers of agronomy, dairy sciences, fisheries management, horticultural

Agricultural Technicians

Set up or maintain laboratory equipment and collect samples from crops or animals. Prepare specimens or record data to ass

Agricultural Workers, All Other

All agricultural workers not listed separately.

Air Crew Members

Perform in-flight duties to ensure the successful completion of combat, reconnaissance, transport, and search and rescue mis

Air Crew Officers

Perform and direct in-flight duties to ensure the successful completion of combat, reconnaissance, transport, and search and

Air Traffic Controllers

Control air traffic on and within vicinity of airport and movement of air traffic between altitude sectors and control centers ac

Aircraft Cargo Handling Supervisors

Supervise and coordinate the activities of ground crew in the loading, unloading, securing, and staging of aircraft cargo or bag

Aircraft Launch and Recovery Officers

Plan and direct the operation and maintenance of catapults, arresting gear, and associated mechanical, hydraulic, and control

Aircraft Launch and Recovery Specialists

Operate and maintain catapults, arresting gear, and associated mechanical, hydraulic, and control systems involved primarily i

Aircraft Mechanics and Service Technicians
Diagnose, adjust, repair, or overhaul aircraft engines and assemblies, such as hydraulic and pneumatic systems. Includes helic
Aircraft Structure, Surfaces, Rigging, and Systems Assemblers
Assemble, fit, fasten, and install parts of airplanes, space vehicles, or missiles, such as tails, wings, fuselage, bulkheads, stabili
Airfield Operations Specialists
Ensure the safe takeoff and landing of commercial and military aircraft. Duties include coordination between air-traffic contro
Airline Pilots, Copilots, and Flight Engineers
Pilot and navigate the flight of fixed-wing, multi-engine aircraft, usually on scheduled air carrier routes, for the transport of pa
Allergists and Immunologists
Diagnose, treat, and help prevent allergic diseases and disease processes affecting the immune system.
Ambulance Drivers and Attendants, Except Emergency Medical Technicians
Drive ambulance or assist ambulance driver in transporting sick, injured, or convalescent persons. Assist in lifting patients.
Amusement and Recreation Attendants
Perform variety of attending duties at amusement or recreation facility. May schedule use of recreation facilities, maintain an
Anesthesiologist Assistants
Assist anesthesiologists in the administration of anesthesia for surgical and non-surgical procedures. Monitor patient status a
Anesthesiologists
Physicians who administer anesthetics prior to, during, or after surgery or other medical procedures.
Animal Breeders
Select and breed animals according to their genealogy, characteristics, and offspring. May require knowledge of artificial inse

Animal Control Workers

Handle animals for the purpose of investigations of mistreatment, or control of abandoned, dangerous, or unattended animals.

Animal Scientists

Conduct research in the genetics, nutrition, reproduction, growth, and development of domestic farm animals.

Animal Trainers

Train animals for riding, harness, security, performance, or obedience, or assisting persons with disabilities. Accustom animals to human contact.

Anthropologists

Research, evaluate, and establish public policy concerning the origins of humans; their physical, social, linguistic, and cultural development.

Anthropologists and Archeologists

Study the origin, development, and behavior of human beings. May study the way of life, language, or physical characteristics of past human beings.

Anthropology and Archeology Teachers, Postsecondary

Teach courses in anthropology or archeology. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.

Appraisers and Assessors of Real Estate

Appraise real property and estimate its fair value. May assess taxes in accordance with prescribed schedules.

Appraisers, Real Estate

Appraise real property to determine its value for purchase, sales, investment, mortgage, or loan purposes.

Aquacultural Managers

Direct and coordinate, through subordinate supervisory personnel, activities of workers engaged in fish hatchery production for sale.

Arbitrators, Mediators, and Conciliators

Facilitate negotiation and conflict resolution through dialogue. Resolve conflicts outside of the court system by mutual consent.

Archeologists
Conduct research to reconstruct record of past human life and culture from human remains, artifacts, architectural features, and other physical remains.
Architects, Except Landscape and Naval
Plan and design structures, such as private residences, office buildings, theaters, factories, and other structural property.
Architectural and Civil Drafters
Prepare detailed drawings of architectural and structural features of buildings or drawings and topographical relief maps used in construction.
Architectural and Engineering Managers
Plan, direct, or coordinate activities in such fields as architecture and engineering or research and development in these fields.
Architectural Drafters
Prepare detailed drawings of architectural designs and plans for buildings and structures according to specifications provided by architects or engineers.
Architecture Teachers, Postsecondary
Teach courses in architecture and architectural design, such as architectural environmental design, interior architecture/design, and architectural history.
Archivists
Appraise, edit, and direct safekeeping of permanent records and historically valuable documents. Participate in research activities.
Area, Ethnic, and Cultural Studies Teachers, Postsecondary
Teach courses pertaining to the culture and development of an area, an ethnic group, or any other group, such as Latin American studies.
Armored Assault Vehicle Crew Members
Operate tanks, light armor, and amphibious assault vehicles during combat situations on land or in aquatic environments. Duties include driving, aiming, and firing weapons.
Armored Assault Vehicle Officers
Direct the operation of tanks, light armor, and amphibious assault vehicle units during combat situations on land or in aquatic environments.

Art Directors
Formulate design concepts and presentation approaches for visual communications media, such as print, broadcasting, and a
Art Therapists
Plan or conduct art therapy sessions or programs to improve clients' physical, cognitive, or emotional well-being.
Art, Drama, and Music Teachers, Postsecondary
Teach courses in drama, music, and the arts including fine and applied art, such as painting and sculpture, or design and crafts
Artillery and Missile Crew Members
Target, fire, and maintain weapons used to destroy enemy positions, aircraft, and vessels. Field artillery crew members predom
Artillery and Missile Officers
Manage personnel and weapons operations to destroy enemy positions, aircraft, and vessels. Duties include planning, targeti
Artists and Related Workers, All Other
All artists and related workers not listed separately.
Assemblers and Fabricators, All Other
All assemblers and fabricators not listed separately.
Assessors
Appraise real and personal property to determine its fair value. May assess taxes in accordance with prescribed schedules.
Astronomers
Observe, research, and interpret astronomical phenomena to increase basic knowledge or apply such information to practical
Athletes and Sports Competitors
Compete in athletic events.

Athletic Trainers

Evaluate and advise individuals to assist recovery from or avoid athletic-related injuries or illnesses, or maintain peak physical

Atmospheric and Space Scientists

Investigate atmospheric phenomena and interpret meteorological data, gathered by surface and air stations, satellites, and ra

Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary

Teach courses in the physical sciences, except chemistry and physics. Includes both teachers primarily engaged in teaching, an

Audio and Video Equipment Technicians

Set up, or set up and operate audio and video equipment including microphones, sound speakers, video screens, projectors, v

Audio-Visual and Multimedia Collections Specialists

Prepare, plan, and operate multimedia teaching aids for use in education. May record, catalogue, and file materials.

Audiologists

Assess and treat persons with hearing and related disorders. May fit hearing aids and provide auditory training. May perform

Auditors

Examine and analyze accounting records to determine financial status of establishment and prepare financial reports concern

Automotive and Watercraft Service Attendants

Service automobiles, buses, trucks, boats, and other automotive or marine vehicles with fuel, lubricants, and accessories. Col

Automotive Body and Related Repairers

Repair and refinish automotive vehicle bodies and straighten vehicle frames.

Automotive Engineering Technicians

Assist engineers in determining the practicality of proposed product design changes and plan and carry out tests on experime

Automotive Engineers

Develop new or improved designs for vehicle structural members, engines, transmissions, or other vehicle systems, using com

Automotive Glass Installers and Repairers

Replace or repair broken windshields and window glass in motor vehicles.

Automotive Master Mechanics

Repair automobiles, trucks, buses, and other vehicles. Master mechanics repair virtually any part on the vehicle or specialize i

Automotive Service Technicians and Mechanics

Diagnose, adjust, repair, or overhaul automotive vehicles.

Automotive Specialty Technicians

Repair only one system or component on a vehicle, such as brakes, suspension, or radiator.

Aviation Inspectors

Inspect aircraft, maintenance procedures, air navigational aids, air traffic controls, and communications equipment to ensure

Avionics Technicians

Install, inspect, test, adjust, or repair avionics equipment, such as radar, radio, navigation, and missile control systems in aircra

Baggage Porters and Bellhops

Handle baggage for travelers at transportation terminals or for guests at hotels or similar establishments.

Bailiffs

Maintain order in courts of law.

Bakers

Mix and bake ingredients to produce breads, rolls, cookies, cakes, pies, pastries, or other baked goods.

Barbers

Provide barbering services, such as cutting, trimming, shampooing, and styling hair, trimming beards, or giving shaves.

Baristas

Prepare or serve specialty coffee or other beverages. Serve food such as baked goods or sandwiches to patrons.

Bartenders

Mix and serve drinks to patrons, directly or through waitstaff.

Bicycle Repairers

Repair and service bicycles.

Bill and Account Collectors

Locate and notify customers of delinquent accounts by mail, telephone, or personal visit to solicit payment. Duties include re

Billing and Posting Clerks

Compile, compute, and record billing, accounting, statistical, and other numerical data for billing purposes. Prepare billing inv

Billing, Cost, and Rate Clerks

Compile data, compute fees and charges, and prepare invoices for billing purposes. Duties include computing costs and calcul

Biochemical Engineers

Develop usable, tangible products, using knowledge of biology, chemistry, or engineering. Solve problems related to materials

Biochemists and Biophysicists

Study the chemical composition or physical principles of living cells and organisms, their electrical and mechanical energy, and

Biofuels/Biodiesel Technology and Product Development Managers

Define, plan, or execute biofuels/biodiesel research programs that evaluate alternative feedstock and process technologies w

Biofuels Processing Technicians

Calculate, measure, load, mix, and process refined feedstock with additives in fermentation or reaction process vessels and m

Biofuels Production Managers

Manage biofuels production and plant operations. Collect and process information on plant production and performance, dia

Bioinformatics Scientists

Conduct research using bioinformatics theory and methods in areas such as pharmaceuticals, medical technology, biotechnol

Bioinformatics Technicians

Apply principles and methods of bioinformatics to assist scientists in areas such as pharmaceuticals, medical technology, biot

Biological Science Teachers, Postsecondary

Teach courses in biological sciences. Includes both teachers primarily engaged in teaching and those who do a combination of

Biological Scientists, All Other

All biological scientists not listed separately.

Biological Technicians

Assist biological and medical scientists in laboratories. Set up, operate, and maintain laboratory instruments and equipment, m

Biologists

Research or study basic principles of plant and animal life, such as origin, relationship, development, anatomy, and functions.

Biomass Plant Technicians

Control and monitor biomass plant activities and perform maintenance as needed.

Biomass Power Plant Managers

Manage operations at biomass power generation facilities. Direct work activities at plant, including supervision of operations

Biomedical Engineers
Apply knowledge of engineering, biology, and biomechanical principles to the design, development, and evaluation of biological systems.
Biostatisticians
Develop and apply biostatistical theory and methods to the study of life sciences.
Boilermakers
Construct, assemble, maintain, and repair stationary steam boilers and boiler house auxiliaries. Align structures or plate sections.
Bookkeeping, Accounting, and Auditing Clerks
Compute, classify, and record numerical data to keep financial records complete. Perform any combination of routine calculations.
Brickmasons and Blockmasons
Lay and bind building materials, such as brick, structural tile, concrete block, cinder block, glass block, and terra-cotta block, with mortar.
Bridge and Lock Tenders
Operate and tend bridges, canal locks, and lighthouses to permit marine passage on inland waterways, near shores, and at dams.
Broadcast News Analysts
Analyze, interpret, and broadcast news received from various sources.
Broadcast Technicians
Set up, operate, and maintain the electronic equipment used to transmit radio and television programs. Control audio equipment.
Brokerage Clerks
Perform duties related to the purchase, sale or holding of securities. Duties include writing orders for stock purchases or sales.
Brownfield Redevelopment Specialists and Site Managers
Plan and direct cleanup and redevelopment of contaminated properties for reuse. Does not include properties sufficiently contaminated to require special handling.

Budget Analysts
Examine budget estimates for completeness, accuracy, and conformance with procedures and regulations. Analyze budgeting
Building Cleaning Workers, All Other
All building cleaning workers not listed separately.
Bus and Truck Mechanics and Diesel Engine Specialists
Diagnose, adjust, repair, or overhaul buses and trucks, or maintain and repair any type of diesel engines. Includes mechanics
Bus Drivers, School or Special Client
Transport students or special clients, such as the elderly or persons with disabilities. Ensure adherence to safety rules. May as
Bus Drivers, Transit and Intercity
Drive bus or motor coach, including regular route operations, charters, and private carriage. May assist passengers with bagg
Business Continuity Planners
Develop, maintain, or implement business continuity and disaster recovery strategies and solutions, including risk assessment
Business Intelligence Analysts
Produce financial and market intelligence by querying data repositories and generating periodic reports. Devise methods for i
Business Operations Specialists, All Other
All business operations specialists not listed separately.
Business Teachers, Postsecondary
Teach courses in business administration and management, such as accounting, finance, human resources, labor and industri
Butchers and Meat Cutters
Cut, trim, or prepare consumer-sized portions of meat for use or sale in retail establishments.

Buyers and Purchasing Agents, Farm Products
Purchase farm products either for further processing or resale. Includes tree farm contractors, grain brokers and market operators.
Cabinetmakers and Bench Carpenters
Cut, shape, and assemble wooden articles or set up and operate a variety of woodworking machines, such as power saws, jointers, and planers.
Camera and Photographic Equipment Repairers
Repair and adjust cameras and photographic equipment, including commercial video and motion picture camera equipment.
Camera Operators, Television, Video, and Motion Picture
Operate television, video, or motion picture camera to record images or scenes for various purposes, such as TV broadcasts, advertising, and motion pictures.
Captains, Mates, and Pilots of Water Vessels
Command or supervise operations of ships and water vessels, such as tugboats and ferryboats. Required to hold license issued by state.
Cardiovascular Technologists and Technicians
Conduct tests on pulmonary or cardiovascular systems of patients for diagnostic purposes. May conduct or assist in electrocardiography, echocardiography, and other tests.
Career/Technical Education Teachers, Middle School
Teach occupational, career and technical, or vocational subjects in public or private schools at the middle, intermediate, or junior high school level.
Career/Technical Education Teachers, Secondary School
Teach occupational, career and technical, or vocational subjects at the secondary school level in public or private schools.
Cargo and Freight Agents
Expedite and route movement of incoming and outgoing cargo and freight shipments in airline, train, and trucking terminals, and other transportation facilities.
Carpenters
Construct, erect, install, or repair structures and fixtures made of wood, such as concrete forms; building frameworks, including roofs and floors; and other wooden structures.

Carpet Installers

Lay and install carpet from rolls or blocks on floors. Install padding and trim flooring materials.

Cartographers and Photogrammetrists

Collect, analyze, and interpret geographic information provided by geodetic surveys, aerial photographs, and satellite data. Re

Cashiers

Receive and disburse money in establishments other than financial institutions. May use electronic scanners, cash registers, o

Cement Masons and Concrete Finishers

Smooth and finish surfaces of poured concrete, such as floors, walks, sidewalks, roads, or curbs using a variety of hand and po

Chefs and Head Cooks

Direct and may participate in the preparation, seasoning, and cooking of salads, soups, fish, meats, vegetables, desserts, or ot

Chemical Engineers

Design chemical plant equipment and devise processes for manufacturing chemicals and products, such as gasoline, synthetic

Chemical Equipment Operators and Tenders

Operate or tend equipment to control chemical changes or reactions in the processing of industrial or consumer products. Eq

Chemical Plant and System Operators

Control or operate entire chemical processes or system of machines.

Chemical Technicians

Conduct chemical and physical laboratory tests to assist scientists in making qualitative and quantitative analyses of solids, liq

Chemistry Teachers, Postsecondary

Teach courses pertaining to the chemical and physical properties and compositional changes of substances. Work may include

Chemists

Conduct qualitative and quantitative chemical analyses or experiments in laboratories for quality or process control or to develop new products.

Chief Executives

Determine and formulate policies and provide overall direction of companies or private and public sector organizations within their respective industries.

Chief Sustainability Officers

Communicate and coordinate with management, shareholders, customers, and employees to address sustainability issues. Establish and implement sustainability programs and policies.

Child, Family, and School Social Workers

Provide social services and assistance to improve the social and psychological functioning of children and their families and to help them cope with problems.

Childcare Workers

Attend to children at schools, businesses, private households, and childcare institutions. Perform a variety of tasks, such as driving, cleaning, and feeding.

Chiropractors

Assess, treat, and care for patients by manipulation of spine and musculoskeletal system. May provide spinal adjustment or other manual therapy.

Choreographers

Create new dance routines. Rehearse performance of routines. May direct and stage presentations.

City and Regional Planning Aides

Compile data from various sources, such as maps, reports, and field and file investigations, for use by city planner in making plans and policies.

Civil Drafters

Prepare drawings and topographical and relief maps used in civil engineering projects, such as highways, bridges, pipelines, flood control, and water supply.

Civil Engineering Technicians

Apply theory and principles of civil engineering in planning, designing, and overseeing construction and maintenance of structures, machines, and equipment.

Civil Engineers

Perform engineering duties in planning, designing, and overseeing construction and maintenance of building structures, and f

Claims Adjusters, Examiners, and Investigators

Review settled claims to determine that payments and settlements are made in accordance with company practices and proc

Claims Examiners, Property and Casualty Insurance

Review settled insurance claims to determine that payments and settlements have been made in accordance with company p

Cleaners of Vehicles and Equipment

Wash or otherwise clean vehicles, machinery, and other equipment. Use such materials as water, cleaning agents, brushes, cl

Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders

Operate or tend machines to wash or clean products, such as barrels or kegs, glass items, tin plate, food, pulp, coal, plastic, or

Clergy

Conduct religious worship and perform other spiritual functions associated with beliefs and practices of religious faith or deno

Climate Change Analysts

Research and analyze policy developments related to climate change. Make climate-related recommendations for actions suc

Clinical Data Managers

Apply knowledge of health care and database management to analyze clinical data, and to identify and report trends.

Clinical Nurse Specialists

Plan, direct, or coordinate the daily patient care activities in a clinical practice. Ensure adherence to established clinical policie

Clinical Psychologists

Diagnose or evaluate mental and emotional disorders of individuals through observation, interview, and psychological tests, a

Clinical Research Coordinators

Plan, direct, or coordinate clinical research projects. Direct the activities of workers engaged in clinical research projects to en

Clinical, Counseling, and School Psychologists

Diagnose and treat mental disorders; learning disabilities; and cognitive, behavioral, and emotional problems, using individua

Coaches and Scouts

Instruct or coach groups or individuals in the fundamentals of sports. Demonstrate techniques and methods of participation.

Coating, Painting, and Spraying Machine Setters, Operators, and Tenders

Set up, operate, or tend machines to coat or paint any of a wide variety of products, including glassware, cloth, ceramics, met

Coil Winders, Tapers, and Finishers

Wind wire coils used in electrical components, such as resistors and transformers, and in electrical equipment and instrument

Coin, Vending, and Amusement Machine Servicers and Repairers

Install, service, adjust, or repair coin, vending, or amusement machines including video games, juke boxes, pinball machines,

Combined Food Preparation and Serving Workers, Including Fast Food

Perform duties which combine preparing and serving food and nonalcoholic beverages.

Command and Control Center Officers

Manage the operation of communications, detection, and weapons systems essential for controlling air, ground, and naval op

Command and Control Center Specialists

Operate and monitor communications, detection, and weapons systems essential for controlling air, ground, and naval operat

Commercial and Industrial Designers

Develop and design manufactured products, such as cars, home appliances, and children's toys. Combine artistic talent with r

Commercial Divers
Work below surface of water, using scuba gear to inspect, repair, remove, or install equipment and structures. May use a variety of tools and equipment.
Commercial Pilots
Pilot and navigate the flight of fixed-winged aircraft on nonscheduled air carrier routes, or helicopters. Requires Commercial Pilot License.
Communications Equipment Operators, All Other
All communications equipment operators not listed separately.
Communications Teachers, Postsecondary
Teach courses in communications, such as organizational communications, public relations, radio/television broadcasting, and journalism.
Community and Social Service Specialists, All Other
All community and social service specialists not listed separately.
Community Health Workers
Assist individuals and communities to adopt healthy behaviors. Conduct outreach for medical personnel or health organizations.
Compensation and Benefits Managers
Plan, direct, or coordinate compensation and benefits activities of an organization.
Compensation, Benefits, and Job Analysis Specialists
Conduct programs of compensation and benefits and job analysis for employer. May specialize in specific areas, such as position classification, job evaluation, and job analysis.
Compliance Managers
Plan, direct, or coordinate activities of an organization to ensure compliance with ethical or regulatory standards.
Compliance Officers
Examine, evaluate, and investigate eligibility for or conformity with laws and regulations governing contract compliance of licensees.

Computer and Information Research Scientists
Conduct research into fundamental computer and information science as theorists, designers, or inventors. Develop solutions
Computer and Information Systems Managers
Plan, direct, or coordinate activities in such fields as electronic data processing, information systems, systems analysis, and co
Computer Hardware Engineers
Research, design, develop, or test computer or computer-related equipment for commercial, industrial, military, or scientific u
Computer Network Architects
Design and implement computer and information networks, such as local area networks (LAN), wide area networks (WAN), in
Computer Network Support Specialists
Analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WA
Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic
Develop programs to control machining or processing of metal or plastic parts by automatic machine tools, equipment, or sys
Computer Occupations, All Other
All computer occupations not listed separately.
Computer Operators
Monitor and control electronic computer and peripheral electronic data processing equipment to process business, scientific,
Computer Programmers
Create, modify, and test the code, forms, and script that allow computer applications to run. Work from specifications drawn
Computer Science Teachers, Postsecondary
Teach courses in computer science. May specialize in a field of computer science, such as the design and function of compute

Computer Systems Analysts
Analyze science, engineering, business, and other data processing problems to implement and improve computer systems. An
Computer Systems Engineers/Architects
Design and develop solutions to complex applications problems, system administration issues, or network concerns. Perform
Computer User Support Specialists
Provide technical assistance to computer users. Answer questions or resolve computer problems for clients in person, or via t
Computer, Automated Teller, and Office Machine Repairers
Repair, maintain, or install computers, word processing systems, automated teller machines, and electronic office machines, s
Computer-Controlled Machine Tool Operators, Metal and Plastic
Operate computer-controlled machines or robots to perform one or more machine functions on metal or plastic work pieces.
Concierges
Assist patrons at hotel, apartment, or office building with personal services. May take messages, arrange or give advice on tra
Conservation Scientists
Manage, improve, and protect natural resources to maximize their use without damaging the environment. May conduct soil
Construction and Building Inspectors
Inspect structures using engineering skills to determine structural soundness and compliance with specifications, building cod
Construction and Related Workers, All Other
All construction and related workers not listed separately.
Construction Carpenters
Construct, erect, install, and repair structures and fixtures of wood, plywood, and wallboard, using carpenter's hand tools and

Construction Laborers

Perform tasks involving physical labor at construction sites. May operate hand and power tools of all types: air hammers, earth

Construction Managers

Plan, direct, or coordinate, usually through subordinate supervisory personnel, activities concerned with the construction and

Continuous Mining Machine Operators

Operate self-propelled mining machines that rip coal, metal and nonmetal ores, rock, stone, or sand from the mine face and l

Control and Valve Installers and Repairers, Except Mechanical Door

Install, repair, and maintain mechanical regulating and controlling devices, such as electric meters, gas regulators, thermostat

Conveyor Operators and Tenders

Control or tend conveyors or conveyor systems that move materials or products to and from stockpiles, processing stations, d

Cooks, All Other

All cooks not listed separately.

Cooks, Fast Food

Prepare and cook food in a fast food restaurant with a limited menu. Duties of these cooks are limited to preparation of a few

Cooks, Institution and Cafeteria

Prepare and cook large quantities of food for institutions, such as schools, hospitals, or cafeterias.

Cooks, Private Household

Prepare meals in private homes. Includes personal chefs.

Cooks, Restaurant

Prepare, season, and cook dishes such as soups, meats, vegetables, or desserts in restaurants. May order supplies, keep recor

Cooks, Short Order

Prepare and cook to order a variety of foods that require only a short preparation time. May take orders from customers and

Cooling and Freezing Equipment Operators and Tenders

Operate or tend equipment, such as cooling and freezing units, refrigerators, batch freezers, and freezing tunnels, to cool or fr

Copy Writers

Write advertising copy for use by publication or broadcast media to promote sale of goods and services.

Coroners

Direct activities such as autopsies, pathological and toxicological analyses, and inquests relating to the investigation of deaths

Correctional Officers and Jailers

Guard inmates in penal or rehabilitative institutions in accordance with established regulations and procedures. May guard pr

Correspondence Clerks

Compose letters or electronic correspondence in reply to requests for merchandise, damage claims, credit and other informat

Cost Estimators

Prepare cost estimates for product manufacturing, construction projects, or services to aid management in bidding on or deta

Costume Attendants

Select, fit, and take care of costumes for cast members, and aid entertainers. May assist with multiple costume changes durin

Counseling Psychologists

Assess and evaluate individuals' problems through the use of case history, interview, and observation and provide individual c

Counselors, All Other

All counselors not listed separately.

Counter and Rental Clerks

Receive orders, generally in person, for repairs, rentals, and services. May describe available options, compute costs, and acco

Counter Attendants, Cafeteria, Food Concession, and Coffee Shop

Serve food to diners at counter or from a steam table.

Couriers and Messengers

Pick up and deliver messages, documents, packages, and other items between offices or departments within an establishment

Court Clerks

Perform clerical duties in court of law; prepare docket of cases to be called; secure information for judges; and contact witnes

Court Reporters

Use verbatim methods and equipment to capture, store, retrieve, and transcribe pretrial and trial proceedings or other inform

Court, Municipal, and License Clerks

Perform clerical duties for courts of law, municipalities, or governmental licensing agencies and bureaus. May prepare docket

Craft Artists

Create or reproduce hand-made objects for sale and exhibition using a variety of techniques, such as welding, weaving, potter

Crane and Tower Operators

Operate mechanical boom and cable or tower and cable equipment to lift and move materials, machines, or products in many

Credit Analysts

Analyze credit data and financial statements of individuals or firms to determine the degree of risk involved in extending cred

Credit Authorizers

Authorize credit charges against customers' accounts.

Credit Authorizers, Checkers, and Clerks

Authorize credit charges against customers' accounts. Investigate history and credit standing of individuals or business establishments.

Credit Checkers

Investigate history and credit standing of individuals or business establishments applying for credit. Telephone or write to credit agencies.

Credit Counselors

Advise and educate individuals or organizations on acquiring and managing debt. May provide guidance in determining the best course of action.

Criminal Investigators and Special Agents

Investigate alleged or suspected criminal violations of Federal, state, or local laws to determine if evidence is sufficient to recommend prosecution.

Criminal Justice and Law Enforcement Teachers, Postsecondary

Teach courses in criminal justice, corrections, and law enforcement administration. Includes both teachers primarily engaged in teaching and those primarily engaged in research and related activities.

Critical Care Nurses

Provide advanced nursing care for patients in critical or coronary care units.

Crossing Guards

Guide or control vehicular or pedestrian traffic at such places as streets, schools, railroad crossings, or construction sites.

Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders

Set up, operate, or tend machines to crush, grind, or polish materials, such as coal, glass, grain, stone, food, or rubber.

Curators

Administer collections, such as artwork, collectibles, historic items, or scientific specimens of museums or other institutions. Includes both those primarily engaged in research and those primarily engaged in teaching.

Customer Service Representatives

Interact with customers to provide information in response to inquiries about products and services and to handle and resolve customer complaints.

Customs Brokers
Prepare customs documentation and ensure that shipments meet all applicable laws to facilitate the import and export of goods.
Cutters and Trimmers, Hand
Use hand tools or hand-held power tools to cut and trim a variety of manufactured items, such as carpet, fabric, stone, glass, or wood.
Cutting and Slicing Machine Setters, Operators, and Tenders
Set up, operate, or tend machines that cut or slice materials, such as glass, stone, cork, rubber, tobacco, food, paper, or insulation.
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic
Set up, operate, or tend machines to saw, cut, shear, slit, punch, crimp, notch, bend, or straighten metal or plastic material.
Cytogenetic Technologists
Analyze chromosomes found in biological specimens such as amniotic fluids, bone marrow, and blood to aid in the study, diagnosis, and treatment of genetic diseases.
Cytotechnologists
Stain, mount, and study cells to detect evidence of cancer, hormonal abnormalities, and other pathological conditions following microscopic examination.
Dancers
Perform dances. May perform on stage, for on-air broadcasting, or for video recording.
Data Entry Keyers
Operate data entry device, such as keyboard or photo composing perforator. Duties may include verifying data and preparing data for processing.
Data Warehousing Specialists
Design, model, or implement corporate data warehousing activities. Program and configure warehouses of database information.
Database Administrators
Administer, test, and implement computer databases, applying knowledge of database management systems. Coordinate changes to database structure.

Database Architects
Design strategies for enterprise database systems and set standards for operations, programming, and security. Design and co
Demonstrators and Product Promoters
Demonstrate merchandise and answer questions for the purpose of creating public interest in buying the product. May sell d
Dental Assistants
Assist dentist, set up equipment, prepare patient for treatment, and keep records.
Dental Hygienists
Clean teeth and examine oral areas, head, and neck for signs of oral disease. May educate patients on oral hygiene, take and
Dental Laboratory Technicians
Construct and repair full or partial dentures or dental appliances.
Dentists, All Other Specialists
All dentists not listed separately.
Dentists, General
Examine, diagnose, and treat diseases, injuries, and malformations of teeth and gums. May treat diseases of nerve, pulp, and
Dermatologists
Diagnose, treat, and help prevent diseases or other conditions of the skin.
Derrick Operators, Oil and Gas
Rig derrick equipment and operate pumps to circulate mud through drill hole.
Designers, All Other
All designers not listed separately.

Desktop Publishers
Format typescript and graphic elements using computer software to produce publication-ready material.
Detectives and Criminal Investigators
Conduct investigations related to suspected violations of Federal, State, or local laws to prevent or solve crimes.
Diagnostic Medical Sonographers
Produce ultrasonic recordings of internal organs for use by physicians.
Dietetic Technicians
Assist in the provision of food service and nutritional programs, under the supervision of a dietitian. May plan and produce m
Dietitians and Nutritionists
Plan and conduct food service or nutritional programs to assist in the promotion of health and control of disease. May superv
Dining Room and Cafeteria Attendants and Bartender Helpers
Facilitate food service. Clean tables, remove dirty dishes, replace soiled table linens; set tables; replenish supply of clean liner
Directors, Religious Activities and Education
Plan, direct, or coordinate programs designed to promote the religious education or activities of a denominational group. Ma
Directors- Stage, Motion Pictures, Television, and Radio
Interpret script, conduct rehearsals, and direct activities of cast and technical crew for stage, motion pictures, television, or ra
Dishwashers
Clean dishes, kitchen, food preparation equipment, or utensils.
Dispatchers, Except Police, Fire, and Ambulance
Schedule and dispatch workers, work crews, equipment, or service vehicles for conveyance of materials, freight, or passenger

Distance Learning Coordinators
Coordinate day-to-day operations of distance learning programs and schedule courses.
Document Management Specialists
Implement and administer enterprise-wide document management systems and related procedures that allow organizations
Door-To-Door Sales Workers, News and Street Vendors, and Related Workers
Sell goods or services door-to-door or on the street.
Drafters, All Other
All drafters not listed separately.
Dredge Operators
Operate dredge to remove sand, gravel, or other materials in order to excavate and maintain navigable channels in waterways
Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic
Set up, operate, or tend drilling machines to drill, bore, ream, mill, or countersink metal or plastic work pieces.
Driver/Sales Workers
Drive truck or other vehicle over established routes or within an established territory and sell or deliver goods, such as food p
Drywall and Ceiling Tile Installers
Apply plasterboard or other wallboard to ceilings or interior walls of buildings. Apply or mount acoustical tiles or blocks, strips
Earth Drillers, Except Oil and Gas
Operate a variety of drills such as rotary, churn, and pneumatic to tap sub-surface water and salt deposits, to remove core sam
Economics Teachers, Postsecondary
Teach courses in economics. Includes both teachers primarily engaged in teaching and those who do a combination of teaching

Economists
Conduct research, prepare reports, or formulate plans to address economic problems related to the production and distribution of goods and services.
Editors
Plan, coordinate, or edit content of material for publication. May review proposals and drafts for possible publication. Include copyediting and proofreading.
Education Administrators, All Other
All education administrators not listed separately.
Education Administrators, Elementary and Secondary School
Plan, direct, or coordinate the academic, administrative, or auxiliary activities of public or private elementary or secondary level schools.
Education Administrators, Postsecondary
Plan, direct, or coordinate research, instructional, student administration and services, and other educational activities at postsecondary level.
Education Administrators, Preschool and Childcare Center/Program
Plan, direct, or coordinate the academic and nonacademic activities of preschool and childcare centers or programs.
Education Teachers, Postsecondary
Teach courses pertaining to education, such as counseling, curriculum, guidance, instruction, teacher education, and teaching.
Education, Training, and Library Workers, All Other
All education, training, and library workers not listed separately.
Educational, Guidance, School, and Vocational Counselors
Counsel individuals and provide group educational and vocational guidance services.
Electric Motor, Power Tool, and Related Repairers
Repair, maintain, or install electric motors, wiring, or switches.

Electrical and Electronic Engineering Technicians
Apply electrical and electronic theory and related knowledge, usually under the direction of engineering staff, to design, build
Electrical and Electronic Equipment Assemblers
Assemble or modify electrical or electronic equipment, such as computers, test equipment telemetering systems, electric mo
Electrical and Electronics Drafters
Prepare wiring diagrams, circuit board assembly diagrams, and layout drawings used for the manufacture, installation, or repa
Electrical and Electronics Installers and Repairers, Transportation Equipment
Install, adjust, or maintain mobile electronics communication equipment, including sound, sonar, security, navigation, and sur
Electrical and Electronics Repairers, Commercial and Industrial Equipment
Repair, test, adjust, or install electronic equipment, such as industrial controls, transmitters, and antennas.
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay
Inspect, test, repair, or maintain electrical equipment in generating stations, substations, and in-service relays.
Electrical Drafters
Develop specifications and instructions for installation of voltage transformers, overhead or underground cables, and related
Electrical Engineering Technicians
Test or modify developmental or operational electrical machinery or electrical control equipment and circuitry in industrial or
Electrical Engineering Technologists
Assist electrical engineers in such activities as process control, electrical power distribution, or instrumentation design. May p
Electrical Engineers
Research, design, develop, test, or supervise the manufacturing and installation of electrical equipment, components, or syste

Electrical Power-Line Installers and Repairers
Install or repair cables or wires used in electrical power or distribution systems. May erect poles and light or heavy duty trans
Electricians
Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that work is in accordance with relevant codes.
Electro-Mechanical Technicians
Operate, test, maintain, or calibrate unmanned, automated, servo-mechanical, or electromechanical equipment. May operate
Electromechanical Engineering Technologists
Assist electromechanical engineers in such activities as computer-based process control, instrumentation, or machine design.
Electromechanical Equipment Assemblers
Assemble or modify electromechanical equipment or devices, such as servomechanisms, gyros, dynamometers, magnetic dru
Electronic Drafters
Draw wiring diagrams, circuit board assembly diagrams, schematics, and layout drawings used for manufacture, installation, a
Electronic Equipment Installers and Repairers, Motor Vehicles
Install, diagnose, or repair communications, sound, security, or navigation equipment in motor vehicles.
Electronic Home Entertainment Equipment Installers and Repairers
Repair, adjust, or install audio or television receivers, stereo systems, camcorders, video systems, or other electronic home en
Electronics Engineering Technicians
Lay out, build, test, troubleshoot, repair, and modify developmental and production electronic components, parts, equipment
Electronics Engineering Technologists
Assist electronics engineers in such activities as electronics systems and instrumentation design or digital signal processing.

Electronics Engineers, Except Computer

Research, design, develop, or test electronic components and systems for commercial, industrial, military, or scientific use em

Elementary School Teachers, Except Special Education

Teach students basic academic, social, and other formative skills in public or private schools at the elementary level.

Elevator Installers and Repairers

Assemble, install, repair, or maintain electric or hydraulic freight or passenger elevators, escalators, or dumbwaiters.

Eligibility Interviewers, Government Programs

Determine eligibility of persons applying to receive assistance from government programs and agency resources, such as wel

Embalmers

Prepare bodies for interment in conformity with legal requirements.

Emergency Management Directors

Plan and direct disaster response or crisis management activities, provide disaster preparedness training, and prepare emerg

Emergency Medical Technicians and Paramedics

Assess injuries, administer emergency medical care, and extricate trapped individuals. Transport injured or sick persons to me

Endoscopy Technicians

Maintain a sterile field to provide support for physicians and nurses during endoscopy procedures. Prepare and maintain instr

Energy Auditors

Conduct energy audits of buildings, building systems, or process systems. May also conduct investment grade audits of buildi

Energy Brokers

Buy or sell energy products on the behalf of residential or commercial customers or utilities. Negotiate and oversee contracts

Energy Engineers
Design, develop, or evaluate energy-related projects or programs to reduce energy costs or improve energy efficiency during
Engine and Other Machine Assemblers
Construct, assemble, or rebuild machines, such as engines, turbines, and similar equipment used in such industries as constru
Engineering Teachers, Postsecondary
Teach courses pertaining to the application of physical laws and principles of engineering for the development of machines, m
Engineering Technicians, Except Drafters, All Other
All engineering technicians, except drafters, not listed separately.
Engineers, All Other
All engineers not listed separately.
English Language and Literature Teachers, Postsecondary
Teach courses in English language and literature, including linguistics and comparative literature. Includes both teachers prim
Entertainers and Performers, Sports and Related Workers, All Other
All entertainers and performers, sports and related workers not listed separately.
Entertainment Attendants and Related Workers, All Other
All entertainment attendants and related workers not listed separately.
Environmental Compliance Inspectors
Inspect and investigate sources of pollution to protect the public and environment and ensure conformance with Federal, Sta
Environmental Economists
Conduct economic analysis related to environmental protection and use of the natural environment, such as water, air, land, a

Environmental Engineering Technicians

Apply theory and principles of environmental engineering to modify, test, and operate equipment and devices used in the pre

Environmental Engineers

Research, design, plan, or perform engineering duties in the prevention, control, and remediation of environmental hazards u

Environmental Restoration Planners

Collaborate with field and biology staff to oversee the implementation of restoration projects and to develop new products. P

Environmental Science and Protection Technicians, Including Health

Perform laboratory and field tests to monitor the environment and investigate sources of pollution, including those that affect

Environmental Science Teachers, Postsecondary

Teach courses in environmental science. Includes both teachers primarily engaged in teaching and those who do a combination

Environmental Scientists and Specialists, Including Health

Conduct research or perform investigation for the purpose of identifying, abating, or eliminating sources of pollutants or haza

Epidemiologists

Investigate and describe the determinants and distribution of disease, disability, or health outcomes. May develop the means

Equal Opportunity Representatives and Officers

Monitor and evaluate compliance with equal opportunity laws, guidelines, and policies to ensure that employment practices

Etchers and Engravers

Engrave or etch metal, wood, rubber, or other materials. Includes such workers as etcher-circuit processors, pantograph engr

Excavating and Loading Machine and Dragline Operators

Operate or tend machinery equipped with scoops, shovels, or buckets, to excavate and load loose materials.

Executive Secretaries and Executive Administrative Assistants

Provide high-level administrative support by conducting research, preparing statistical reports, handling information requests

Exercise Physiologists

Assess, plan, or implement fitness programs that include exercise or physical activities such as those designed to improve cardio

Explosives Workers, Ordnance Handling Experts, and Blasters

Place and detonate explosives to demolish structures or to loosen, remove, or displace earth, rock, or other materials. May p

Extraction Workers, All Other

All extraction workers not listed separately.

Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic

Set up, operate, or tend machines to extrude or draw thermoplastic or metal materials into tubes, rods, hoses, wire, bars, or s

Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers

Set up, operate, or tend machines that extrude and form continuous filaments from synthetic materials, such as liquid polym

Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders

Set up, operate, or tend machines, such as glass forming machines, plodder machines, and tuber machines, to shape and form

Fabric and Apparel Patternmakers

Draw and construct sets of precision master fabric patterns or layouts. May also mark and cut fabrics and apparel.

Fabric Menders, Except Garment

Repair tears, holes, and other defects in fabrics, such as draperies, linens, parachutes, and tents.

Fallers

Use axes or chainsaws to fell trees using knowledge of tree characteristics and cutting techniques to control direction of fall a

Family and General Practitioners
Physicians who diagnose, treat, and help prevent diseases and injuries that commonly occur in the general population. May r
Farm and Home Management Advisors
Advise, instruct, and assist individuals and families engaged in agriculture, agricultural-related processes, or home economics
Farm and Ranch Managers
Plan, direct, or coordinate the management or operation of farms, ranches, greenhouses, aquacultural operations, nurseries,
Farm Equipment Mechanics and Service Technicians
Diagnose, adjust, repair, or overhaul farm machinery and vehicles, such as tractors, harvesters, dairy equipment, and irrigatio
Farm Labor Contractors
Recruit and hire seasonal or temporary agricultural laborers. May transport, house, and provide meals for workers.
Farmers, Ranchers, and Other Agricultural Managers
Plan, direct, or coordinate the management or operation of farms, ranches, greenhouses, aquacultural operations, nurseries,
Farmworkers and Laborers, Crop
Manually plant, cultivate, and harvest vegetables, fruits, nuts and field crops. Use hand tools, such as shovels, trowels, hoes, t
Farmworkers and Laborers, Crop, Nursery, and Greenhouse
Manually plant, cultivate, and harvest vegetables, fruits, nuts, horticultural specialties, and field crops. Use hand tools, such a
Farmworkers, Farm, Ranch, and Aquacultural Animals
Attend to live farm, ranch, or aquacultural animals that may include cattle, sheep, swine, goats, horses and other equines, po
Fashion Designers
Design clothing and accessories. Create original designs or adapt fashion trends.

Fence Erectors

Erect and repair fences and fence gates, using hand and power tools.

Fiberglass Laminators and Fabricators

Laminate layers of fiberglass on molds to form boat decks and hulls, bodies for golf carts, automobiles, or other products.

File Clerks

File correspondence, cards, invoices, receipts, and other records in alphabetical or numerical order or according to the filing system.

Film and Video Editors

Edit moving images on film, video, or other media. May edit or synchronize soundtracks with images.

Financial Analysts

Conduct quantitative analyses of information affecting investment programs of public or private institutions.

Financial Clerks, All Other

All financial clerks not listed separately.

Financial Examiners

Enforce or ensure compliance with laws and regulations governing financial and securities institutions and financial and real estate activities.

Financial Managers

Plan, direct, or coordinate accounting, investing, banking, insurance, securities, and other financial activities of a branch, office, or department of an establishment.

Financial Managers, Branch or Department

Direct and coordinate financial activities of workers in a branch, office, or department of an establishment, such as branch bank managers.

Financial Quantitative Analysts

Develop quantitative financial products used to inform individuals or financial institutions engaged in saving, lending, investing, or other financial activities.

Financial Specialists, All Other

All financial specialists not listed separately.

Fine Artists, Including Painters, Sculptors, and Illustrators

Create original artwork using any of a wide variety of media and techniques.

Fire Inspectors

Inspect buildings and equipment to detect fire hazards and enforce state and local regulations.

Fire Inspectors and Investigators

Inspect buildings to detect fire hazards and enforce local ordinances and State laws, or investigate and gather facts to determine causes of fires and explosions.

Fire Investigators

Conduct investigations to determine causes of fires and explosions.

Fire-Prevention and Protection Engineers

Research causes of fires, determine fire protection methods, and design or recommend materials or equipment such as structures and fire-fighting equipment.

Firefighters

Control and extinguish fires or respond to emergency situations where life, property, or the environment is at risk. Duties may include inspecting buildings for fire hazards, investigating causes of fires, and maintaining fire-fighting equipment.

First-Line Supervisors of Agricultural Crop and Horticultural Workers

Directly supervise and coordinate activities of agricultural crop or horticultural workers.

First-Line Supervisors of Air Crew Members

Supervise and coordinate the activities of air crew members. Supervisors may also perform the same activities as the workers they supervise.

First-Line Supervisors of All Other Tactical Operations Specialists

Supervise and coordinate the activities of all other tactical operations specialists not classified separately above. Supervisors may also perform the same activities as the workers they supervise.

<p>First-Line Supervisors of Animal Husbandry and Animal Care Workers</p> <p>Directly supervise and coordinate activities of animal husbandry or animal care workers.</p>
<p>First-Line Supervisors of Aquacultural Workers</p> <p>Directly supervise and coordinate activities of aquacultural workers.</p>
<p>First-Line Supervisors of Construction Trades and Extraction Workers</p> <p>Directly supervise and coordinate activities of construction or extraction workers.</p>
<p>First-Line Supervisors of Correctional Officers</p> <p>Directly supervise and coordinate activities of correctional officers and jailers.</p>
<p>First-Line Supervisors of Farming, Fishing, and Forestry Workers</p> <p>Directly supervise and coordinate the activities of agricultural, forestry, aquacultural, and related workers.</p>
<p>First-Line Supervisors of Fire Fighting and Prevention Workers</p> <p>Directly supervise and coordinate activities of workers engaged in fire fighting and fire prevention and control.</p>
<p>First-Line Supervisors of Food Preparation and Serving Workers</p> <p>Directly supervise and coordinate activities of workers engaged in preparing and serving food.</p>
<p>First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand</p> <p>Directly supervise and coordinate the activities of helpers, laborers, or material movers.</p>
<p>First-Line Supervisors of Housekeeping and Janitorial Workers</p> <p>Directly supervise and coordinate work activities of cleaning personnel in hotels, hospitals, offices, and other establishments.</p>
<p>First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers</p> <p>Directly supervise and coordinate activities of workers engaged in landscaping or groundskeeping activities. Work may involve</p>

First-Line Supervisors of Logging Workers
Directly supervise and coordinate activities of logging workers.
First-Line Supervisors of Mechanics, Installers, and Repairers
Directly supervise and coordinate the activities of mechanics, installers, and repairers.
First-Line Supervisors of Non-Retail Sales Workers
Directly supervise and coordinate activities of sales workers other than retail sales workers. May perform duties such as budg
First-Line Supervisors of Office and Administrative Support Workers
Directly supervise and coordinate the activities of clerical and administrative support workers.
First-Line Supervisors of Personal Service Workers
Directly supervise and coordinate activities of personal service workers, such as flight attendants, hairdressers, or caddies.
First-Line Supervisors of Police and Detectives
Directly supervise and coordinate activities of members of police force.
First-Line Supervisors of Production and Operating Workers
Directly supervise and coordinate the activities of production and operating workers, such as inspectors, precision workers, m
First-Line Supervisors of Protective Service Workers, All Other
All protective service supervisors not listed separately above.
First-Line Supervisors of Retail Sales Workers
Directly supervise and coordinate activities of retail sales workers in an establishment or department. Duties may include mar
First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators
Directly supervise and coordinate activities of transportation and material-moving machine and vehicle operators and helpers

First-Line Supervisors of Weapons Specialists/Crew Members
Supervise and coordinate the activities of weapons specialists/crew members. Supervisors may also perform the same activities as the specialists/crew members.
Fish and Game Wardens
Patrol assigned area to prevent fish and game law violations. Investigate reports of damage to crops or property by wildlife. Control and manage wildlife populations.
Fishers and Related Fishing Workers
Use nets, fishing rods, traps, or other equipment to catch and gather fish or other aquatic animals from rivers, lakes, or oceans.
Fitness and Wellness Coordinators
Manage or coordinate fitness and wellness programs and services. Manage and train staff of wellness specialists, health educators, and fitness instructors.
Fitness Trainers and Aerobics Instructors
Instruct or coach groups or individuals in exercise activities. Demonstrate techniques and form, observe participants, and explain proper technique.
Flight Attendants
Provide personal services to ensure the safety, security, and comfort of airline passengers during flight. Greet passengers, verify tickets, and provide information.
Floor Layers, Except Carpet, Wood, and Hard Tiles
Apply blocks, strips, or sheets of shock-absorbing, sound-deadening, or decorative coverings to floors.
Floor Sanders and Finishers
Scrape and sand wooden floors to smooth surfaces using floor scraper and floor sanding machine, and apply coats of finish.
Floral Designers
Design, cut, and arrange live, dried, or artificial flowers and foliage.
Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders
Operate or tend food or tobacco roasting, baking, or drying equipment, including hearth ovens, kiln driers, roasters, char kilns, and food dehydrators.

Food Batchmakers

Set up and operate equipment that mixes or blends ingredients used in the manufacturing of food products. Includes candy makers.

Food Cooking Machine Operators and Tenders

Operate or tend cooking equipment, such as steam cooking vats, deep fry cookers, pressure cookers, kettles, and boilers, to prepare food.

Food Preparation and Serving Related Workers, All Other

All food preparation and serving related workers not listed separately.

Food Preparation Workers

Perform a variety of food preparation duties other than cooking, such as preparing cold foods and shellfish, slicing meat, and preparing salads.

Food Processing Workers, All Other

All food processing workers not listed separately.

Food Science Technicians

Perform standardized qualitative and quantitative tests to determine physical or chemical properties of food or beverage products.

Food Scientists and Technologists

Use chemistry, microbiology, engineering, and other sciences to study the principles underlying the processing and deterioration of food.

Food Servers, Nonrestaurant

Serve food to individuals outside of a restaurant environment, such as in hotel rooms, hospital rooms, residential care facilities, and cruise ships.

Food Service Managers

Plan, direct, or coordinate activities of an organization or department that serves food and beverages.

Foreign Language and Literature Teachers, Postsecondary

Teach languages and literature courses in languages other than English. Includes teachers of American Sign Language (ASL). Includes teachers of foreign languages and literature.

Forensic Science Technicians
Collect, identify, classify, and analyze physical evidence related to criminal investigations. Perform tests on weapons or substa
Forest and Conservation Technicians
Provide technical assistance regarding the conservation of soil, water, forests, or related natural resources. May compile data
Forest and Conservation Workers
Under supervision, perform manual labor necessary to develop, maintain, or protect areas such as forests, forested areas, wo
Forest Fire Fighting and Prevention Supervisors
Supervise fire fighters who control and suppress fires in forests or vacant public land.
Forest Fire Inspectors and Prevention Specialists
Enforce fire regulations, inspect forest for fire hazards and recommend forest fire prevention or control measures. May report
Forest Firefighters
Control and suppress fires in forests or vacant public land.
Foresters
Manage public and private forested lands for economic, recreational, and conservation purposes. May inventory the type, am
Forestry and Conservation Science Teachers, Postsecondary
Teach courses in forestry and conservation science. Includes both teachers primarily engaged in teaching and those who do a
Forging Machine Setters, Operators, and Tenders, Metal and Plastic
Set up, operate, or tend forging machines to taper, shape, or form metal or plastic parts.
Foundry Mold and Coremakers
Make or form wax or sand cores or molds used in the production of metal castings in foundries.

Fraud Examiners, Investigators and Analysts
Obtain evidence, take statements, produce reports, and testify to findings regarding resolution of fraud allegations. May coordinate with law enforcement.
Freight and Cargo Inspectors
Inspect the handling, storage, and stowing of freight and cargoes.
Freight Forwarders
Research rates, routings, or modes of transport for shipment of products. Maintain awareness of regulations affecting the international trade.
Fuel Cell Engineers
Design, evaluate, modify, or construct fuel cell components or systems for transportation, stationary, or portable applications.
Fuel Cell Technicians
Install, operate, or maintain integrated fuel cell systems in transportation, stationary, or portable applications.
Fundraisers
Organize activities to raise funds or otherwise solicit and gather monetary donations or other gifts for an organization. May develop fundraising materials.
Funeral Attendants
Perform variety of tasks during funeral, such as placing casket in parlor or chapel prior to service; arranging floral offerings or preparing casket for service.
Funeral Service Managers
Plan, direct, or coordinate the services or resources of funeral homes. Includes activities such as determining prices for services and coordinating with vendors.
Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders
Operate or tend heating equipment other than basic metal, plastic, or food processing equipment. Includes activities, such as adjusting temperature and timing.
Furniture Finishers
Shape, finish, and refinish damaged, worn, or used furniture or new high-grade furniture to specified color or finish.

Gaming and Sports Book Writers and Runners
Post information enabling patrons to wager on various races and sporting events. Assist in the operation of games such as keno.
Gaming Cage Workers
In a gaming establishment, conduct financial transactions for patrons. May reconcile daily summaries of transactions to balance.
Gaming Change Persons and Booth Cashiers
Exchange coins, tokens, and chips for patrons' money. May issue payoffs and obtain customer's signature on receipt. May open and close cash drawers.
Gaming Dealers
Operate table games. Stand or sit behind table and operate games of chance by dispensing the appropriate number of cards or balls.
Gaming Managers
Plan, direct, or coordinate gaming operations in a casino. May formulate house rules.
Gaming Service Workers, All Other
All gaming service workers not listed separately.
Gaming Supervisors
Supervise and coordinate activities of workers in assigned gaming areas. Circulate among tables and observe operations. Ensure proper operation of gaming equipment.
Gaming Surveillance Officers and Gaming Investigators
Act as oversight and security agent for management and customers. Observe casino or casino hotel operation for irregular activity.
Gas Compressor and Gas Pumping Station Operators
Operate steam, gas, electric motor, or internal combustion engine driven compressors. Transmit, compress, or recover gases, vapors, or liquids.
Gas Plant Operators
Distribute or process gas for utility companies and others by controlling compressors to maintain specified pressures on main lines.

Gem and Diamond Workers

Fabricate, finish, or evaluate the quality of gems and diamonds used in jewelry or industrial tools.

General and Operations Managers

Plan, direct, or coordinate the operations of public or private sector organizations. Duties and responsibilities include formula

Genetic Counselors

Assess individual or family risk for a variety of inherited conditions, such as genetic disorders and birth defects. Provide inform

Geneticists

Research and study the inheritance of traits at the molecular, organism or population level. May evaluate or treat patients with

Geodetic Surveyors

Measure large areas of the Earth's surface using satellite observations, global navigation satellite systems (GNSS), light detect

Geographers

Study the nature and use of areas of the Earth's surface, relating and interpreting interactions of physical and cultural phenom

Geographic Information Systems Technicians

Assist scientists, technologists, or related professionals in building, maintaining, modifying, or using geographic information sy

Geography Teachers, Postsecondary

Teach courses in geography. Includes both teachers primarily engaged in teaching and those who do a combination of teaching

Geological and Petroleum Technicians

Assist scientists or engineers in the use of electronic, sonic, or nuclear measuring instruments in both laboratory and product

Geological Sample Test Technicians

Test or analyze geological samples, crude oil, or minerals to detect presence of petroleum, gas, or mineral deposits indicating

Geophysical Data Technicians
Measure, record, or evaluate geological data, using sonic, electronic, electrical, seismic, or gravity-measuring instruments to p
Geoscientists, Except Hydrologists and Geographers
Study the composition, structure, and other physical aspects of the Earth. May use geological, physics, and mathematics know
Geospatial Information Scientists and Technologists
Research or develop geospatial technologies. May produce databases, perform applications programming, or coordinate proj
Geothermal Production Managers
Manage operations at geothermal power generation facilities. Maintain and monitor geothermal plant equipment for efficien
Geothermal Technicians
Perform technical activities at power plants or individual installations necessary for the generation of power from geothermal
Glass Blowers, Molders, Benders, and Finishers
Shape molten glass according to patterns.
Glaziers
Install glass in windows, skylights, store fronts, and display cases, or on surfaces, such as building fronts, interior walls, ceiling
Government Property Inspectors and Investigators
Investigate or inspect government property to ensure compliance with contract agreements and government regulations.
Graders and Sorters, Agricultural Products
Grade, sort, or classify unprocessed food and other agricultural products by size, weight, color, or condition.
Graduate Teaching Assistants
Assist faculty or other instructional staff in postsecondary institutions by performing teaching or teaching-related duties, such

Graphic Designers
Design or create graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. May use a
Green Marketers
Create and implement methods to market green products and services.
Grinding and Polishing Workers, Hand
Grind, sand, or polish, using hand tools or hand-held power tools, a variety of metal, wood, stone, clay, plastic, or glass object
Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic
Set up, operate, or tend grinding and related tools that remove excess material or burrs from surfaces, sharpen edges or corn
Grounds Maintenance Workers, All Other
All grounds maintenance workers not listed separately.
Hairdressers, Hairstylists, and Cosmetologists
Provide beauty services, such as shampooing, cutting, coloring, and styling hair, and massaging and treating scalp. May apply
Hazardous Materials Removal Workers
Identify, remove, pack, transport, or dispose of hazardous materials, including asbestos, lead-based paint, waste oil, fuel, tran
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors
Promote worksite or product safety by applying knowledge of industrial processes, mechanics, chemistry, psychology, and ind
Health Diagnosing and Treating Practitioners, All Other
All health diagnosing and treating practitioners not listed separately.
Health Educators
Provide and manage health education programs that help individuals, families, and their communities maximize and maintain

Health Specialties Teachers, Postsecondary
Teach courses in health specialties, in fields such as dentistry, laboratory technology, medicine, pharmacy, public health, therapeutics, and other health specialties.
Health Technologists and Technicians, All Other
All health technologists and technicians not listed separately.
Healthcare Practitioners and Technical Workers, All Other
All healthcare practitioners and technical workers not listed separately.
Healthcare Social Workers
Provide individuals, families, and groups with the psychosocial support needed to cope with chronic, acute, or terminal illness.
Healthcare Support Workers, All Other
All healthcare support workers not listed separately.
Hearing Aid Specialists
Select and fit hearing aids for customers. Administer and interpret tests of hearing. Assess hearing instrument efficacy. Take ear impressions.
Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic
Set up, operate, or tend heating equipment, such as heat-treating furnaces, flame-hardening machines, induction machines, and other heat-treating equipment.
Heating and Air Conditioning Mechanics and Installers
Install, service, or repair heating and air conditioning systems in residences or commercial establishments.
Heating, Air Conditioning, and Refrigeration Mechanics and Installers
Install or repair heating, central air conditioning, or refrigeration systems, including oil burners, hot-air furnaces, and heating and air conditioning equipment.
Heavy and Tractor-Trailer Truck Drivers
Drive a tractor-trailer combination or a truck with a capacity of at least 26,000 pounds Gross Vehicle Weight (GVW). May be required to obtain a commercial driver's license (CDL).

Helpers, Construction Trades, All Other

All construction trades helpers not listed separately.

Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters

Help brickmasons, blockmasons, stonemasons, or tile and marble setters by performing duties requiring less skill. Duties include

Helpers--Carpenters

Help carpenters by performing duties requiring less skill. Duties include using, supplying or holding materials or tools, and cleaning

Helpers--Electricians

Help electricians by performing duties requiring less skill. Duties include using, supplying or holding materials or tools, and cleaning

Helpers--Extraction Workers

Help extraction craft workers, such as earth drillers, blasters and explosives workers, derrick operators, and mining machine operators

Helpers--Installation, Maintenance, and Repair Workers

Help installation, maintenance, and repair workers in maintenance, parts replacement, and repair of vehicles, industrial machinery, and

Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons

Help painters, paperhangers, plasterers, or stucco masons by performing duties requiring less skill. Duties include using, supplying or holding

Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters

Help plumbers, pipefitters, steamfitters, or pipelayers by performing duties requiring less skill. Duties include using, supplying or holding

Helpers--Production Workers

Help production workers by performing duties requiring less skill. Duties include supplying or holding materials or tools, and cleaning

Helpers--Roofers

Help roofers by performing duties requiring less skill. Duties include using, supplying or holding materials or tools, and cleaning

Highway Maintenance Workers

Maintain highways, municipal and rural roads, airport runways, and rights-of-way. Duties include patching broken or eroded pavement.

Historians

Research, analyze, record, and interpret the past as recorded in sources, such as government and institutional records, newspapers, and books.

History Teachers, Postsecondary

Teach courses in human history and historiography. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.

Histotechnologists and Histologic Technicians

Prepare histologic slides from tissue sections for microscopic examination and diagnosis by pathologists. May assist in research.

Hoist and Winch Operators

Operate or tend hoists or winches to lift and pull loads using power-operated cable equipment.

Home Appliance Repairers

Repair, adjust, or install all types of electric or gas household appliances, such as refrigerators, washers, dryers, and ovens.

Home Economics Teachers, Postsecondary

Teach courses in childcare, family relations, finance, nutrition, and related subjects pertaining to home management. Includes teachers primarily engaged in teaching and those who do a combination of teaching and research.

Home Health Aides

Provide routine individualized healthcare such as changing bandages and dressing wounds, and applying topical medications.

Hospitalists

Provide inpatient care predominantly in settings such as medical wards, acute care units, intensive care units, rehabilitation centers, and long-term care facilities.

Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop

Welcome patrons, seat them at tables or in lounge, and help ensure quality of facilities and service.

Hotel, Motel, and Resort Desk Clerks
Accommodate hotel, motel, and resort patrons by registering and assigning rooms to guests, issuing room keys or cards, trans
Human Factors Engineers and Ergonomists
Design objects, facilities, and environments to optimize human well-being and overall system performance, applying theory, p
Human Resources Assistants, Except Payroll and Timekeeping
Compile and keep personnel records. Record data for each employee, such as address, weekly earnings, absences, amount of
Human Resources Managers
Plan, direct, or coordinate human resources activities and staff of an organization.
Human Resources Specialists
Perform activities in the human resource area. Includes employment specialists who screen, recruit, interview, and place wor
Hunters and Trappers
Hunt and trap wild animals for human consumption, fur, feed, bait, or other purposes.
Hydroelectric Plant Technicians
Monitor and control activities associated with hydropower generation. Operate plant equipment, such as turbines, pumps, va
Hydroelectric Production Managers
Manage operations at hydroelectric power generation facilities. Maintain and monitor hydroelectric plant equipment for effi
Hydrologists
Research the distribution, circulation, and physical properties of underground and surface waters; and study the form and int
Immigration and Customs Inspectors
Investigate and inspect persons, common carriers, goods, and merchandise, arriving in or departing from the United States or

Industrial Ecologists
Apply principles and processes of natural ecosystems to develop models for efficient industrial systems. Use knowledge from
Industrial Engineering Technicians
Apply engineering theory and principles to problems of industrial layout or manufacturing production, usually under the direc
Industrial Engineering Technologists
Assist industrial engineers in such activities as quality control, inventory control, or material flow methods. May conduct stat
Industrial Engineers
Design, develop, test, and evaluate integrated systems for managing industrial production processes, including human work f
Industrial Machinery Mechanics
Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution system
Industrial Production Managers
Plan, direct, or coordinate the work activities and resources necessary for manufacturing products in accordance with cost, q
Industrial Safety and Health Engineers
Plan, implement, and coordinate safety programs, requiring application of engineering principles and technology, to prevent c
Industrial Truck and Tractor Operators
Operate industrial trucks or tractors equipped to move materials around a warehouse, storage yard, factory, construction site
Industrial-Organizational Psychologists
Apply principles of psychology to human resources, administration, management, sales, and marketing problems. Activities m
Infantry
Operate weapons and equipment in ground combat operations. Duties include operating and maintaining weapons, such as r

Infantry Officers
Direct, train, and lead infantry units in ground combat operations. Duties include directing deployment of infantry weapons, v
Informatics Nurse Specialists
Apply knowledge of nursing and informatics to assist in the design, development, and ongoing modification of computerized I
Information and Record Clerks, All Other
All information and record clerks not listed separately.
Information Security Analysts
Plan, implement, upgrade, or monitor security measures for the protection of computer networks and information. May ensu
Information Technology Project Managers
Plan, initiate, and manage information technology (IT) projects. Lead and guide the work of technical staff. Serve as liaison be
Inspectors, Testers, Sorters, Samplers, and Weighers
Inspect, test, sort, sample, or weigh nonagricultural raw materials or processed, machined, fabricated, or assembled parts or
Installation, Maintenance, and Repair Workers, All Other
All installation, maintenance, and repair workers not listed separately.
Instructional Coordinators
Develop instructional material, coordinate educational content, and incorporate current technology in specialized fields that p
Instructional Designers and Technologists
Develop instructional materials and products and assist in the technology-based redesign of courses. Assist faculty in learning
Insulation Workers, Floor, Ceiling, and Wall
Line and cover structures with insulating materials. May work with batt, roll, or blown insulation materials.

Insulation Workers, Mechanical
Apply insulating materials to pipes or ductwork, or other mechanical systems in order to help control and maintain temperature.
Insurance Adjusters, Examiners, and Investigators
Investigate, analyze, and determine the extent of insurance company's liability concerning personal, casualty, or property loss.
Insurance Appraisers, Auto Damage
Appraise automobile or other vehicle damage to determine repair costs for insurance claim settlement. Prepare insurance forms.
Insurance Claims and Policy Processing Clerks
Process new insurance policies, modifications to existing policies, and claims forms. Obtain information from policyholders to complete forms.
Insurance Claims Clerks
Obtain information from insured or designated persons for purpose of settling claim with insurance carrier.
Insurance Policy Processing Clerks
Process applications for, changes to, reinstatement of, and cancellation of insurance policies. Duties include reviewing insurance applications.
Insurance Sales Agents
Sell life, property, casualty, health, automotive, or other types of insurance. May refer clients to independent brokers, work as sales representatives.
Insurance Underwriters
Review individual applications for insurance to evaluate degree of risk involved and determine acceptance of applications.
Intelligence Analysts
Gather, analyze, or evaluate information from a variety of sources, such as law enforcement databases, surveillance, intelligence reports.
Interior Designers
Plan, design, and furnish interiors of residential, commercial, or industrial buildings. Formulate design which is practical, aesthetically pleasing, and within budget.

Internists, General
Physicians who diagnose and provide non-surgical treatment of diseases and injuries of internal organ systems. Provide care n
Interpreters and Translators
Interpret oral or sign language, or translate written text from one language into another.
Interviewers, Except Eligibility and Loan
Interview persons by telephone, mail, in person, or by other means for the purpose of completing forms, applications, or que
Investment Fund Managers
Plan, direct, or coordinate investment strategy or operations for a large pool of liquid assets supplied by institutional investors
Investment Underwriters
Manage communications or negotiations between corporate issuers of securities and clients regarding private equity investm
Janitors and Cleaners, Except Maids and Housekeeping Cleaners
Keep buildings in clean and orderly condition. Perform heavy cleaning duties, such as cleaning floors, shampooing rugs, wash
Jewelers
Fabricate and repair jewelry articles. Make models or molds to create jewelry items.
Jewelers and Precious Stone and Metal Workers
Design, fabricate, adjust, repair, or appraise jewelry, gold, silver, other precious metals, or gems. Includes diamond polishers a
Judges, Magistrate Judges, and Magistrates
Arbitrate, advise, adjudicate, or administer justice in a court of law. May sentence defendant in criminal cases according to go
Judicial Law Clerks
Assist judges in court or by conducting research or preparing legal documents.

Kindergarten Teachers, Except Special Education
Teach elemental natural and social science, personal hygiene, music, art, and literature to kindergarten students. Promote physical and social development.
Labor Relations Specialists
Resolve disputes between workers and managers, negotiate collective bargaining agreements, or coordinate grievance procedures.
Laborers and Freight, Stock, and Material Movers, Hand
Manually move freight, stock, or other materials or perform other general labor. Includes all manual laborers not elsewhere classified.
Landscape Architects
Plan and design land areas for projects such as parks and other recreational facilities, airports, highways, hospitals, schools, lawns, and gardens.
Landscaping and Groundskeeping Workers
Landscape or maintain grounds of property using hand or power tools or equipment. Workers typically perform a variety of tasks including planting, weeding, watering, and mowing.
Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic
Set up, operate, or tend lathe and turning machines to turn, bore, thread, form, or face metal or plastic materials, such as wire, rods, and shafts.
Laundry and Dry-Cleaning Workers
Operate or tend washing or dry-cleaning machines to wash or dry-clean industrial or household articles, such as cloth garments, linens, and draperies.
Law Teachers, Postsecondary
Teach courses in law. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Lawyers
Represent clients in criminal and civil litigation and other legal proceedings, draw up legal documents, or manage or advise clients.
Layout Workers, Metal and Plastic
Lay out reference points and dimensions on metal or plastic stock or workpieces, such as sheets, plates, tubes, structural shapes, and forgings.

Legal Secretaries
Perform secretarial duties using legal terminology, procedures, and documents. Prepare legal papers and correspondence, su
Legal Support Workers, All Other
All legal support workers not listed separately.
Legislators
Develop, introduce or enact laws and statutes at the local, tribal, State, or Federal level. Includes only workers in elected posi
Librarians
Administer libraries and perform related library services. Work in a variety of settings, including public libraries, educational in
Library Assistants, Clerical
Compile records, sort, shelve, issue, and receive library materials such as books, electronic media, pictures, cards, slides and r
Library Science Teachers, Postsecondary
Teach courses in library science. Includes both teachers primarily engaged in teaching and those who do a combination of tea
Library Technicians
Assist librarians by helping readers in the use of library catalogs, databases, and indexes to locate books and other materials;
License Clerks
Issue licenses or permits to qualified applicants. Obtain necessary information, record data, advise applicants on requirement
Licensed Practical and Licensed Vocational Nurses
Care for ill, injured, or convalescing patients or persons with disabilities in hospitals, nursing homes, clinics, private homes, gr
Licensing Examiners and Inspectors
Examine, evaluate, and investigate eligibility for, conformity with, or liability under licenses or permits.

Life Scientists, All Other

All life scientists not listed separately.

Life, Physical, and Social Science Technicians, All Other

All life, physical, and social science technicians not listed separately.

Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers

Monitor recreational areas, such as pools, beaches, or ski slopes to provide assistance and protection to participants.

Light Truck or Delivery Services Drivers

Drive a light vehicle, such as a truck or van, with a capacity of less than 26,000 pounds Gross Vehicle Weight (GVW), primarily

Loading Machine Operators, Underground Mining

Operate underground loading machine to load coal, ore, or rock into shuttle or mine car or onto conveyors. Loading equipment

Loan Counselors

Provide guidance to prospective loan applicants who have problems qualifying for traditional loans. Guidance may include de

Loan Interviewers and Clerks

Interview loan applicants to elicit information; investigate applicants' backgrounds and verify references; prepare loan request

Loan Officers

Evaluate, authorize, or recommend approval of commercial, real estate, or credit loans. Advise borrowers on financial status a

Locker Room, Coatroom, and Dressing Room Attendants

Provide personal items to patrons or customers in locker rooms, dressing rooms, or coatrooms.

Locksmiths and Safe Repairers

Repair and open locks; make keys; change locks and safe combinations; and install and repair safes.

Locomotive Engineers
Drive electric, diesel-electric, steam, or gas-turbine-electric locomotives to transport passengers or freight. Interpret train orders.
Locomotive Firers
Monitor locomotive instruments and watch for dragging equipment, obstacles on rights-of-way, and train signals during run.
Lodging Managers
Plan, direct, or coordinate activities of an organization or department that provides lodging and other accommodations.
Log Graders and Scalers
Grade logs or estimate the marketable content or value of logs or pulpwood in sorting yards, millpond, log deck, or similar locations.
Logging Equipment Operators
Drive logging tractor or wheeled vehicle equipped with one or more accessories such as bulldozer blade, frontal shear, grapple, or other attachments.
Logging Workers, All Other
All logging workers not listed separately.
Logisticians
Analyze and coordinate the logistical functions of a firm or organization. Responsible for the entire life cycle of a product, including procurement, production, distribution, and disposal.
Logistics Analysts
Analyze product delivery or supply chain processes to identify or recommend changes. May manage route activity including inventory control.
Logistics Engineers
Design or analyze operational solutions for projects such as transportation optimization, network modeling, process and method improvement, or other logistical functions.
Logistics Managers
Plan, direct, or coordinate purchasing, warehousing, distribution, forecasting, customer service, or planning services. Manage logistics operations.

Loss Prevention Managers

Plan and direct policies, procedures, or systems to prevent the loss of assets. Determine risk exposure or potential liability, and

Low Vision Therapists, Orientation and Mobility Specialists, and Vision Rehabilitation Therapists

Provide therapy to patients with visual impairments to improve their functioning in daily life activities. May train patients in a

Machine Feeders and Offbearers

Feed materials into or remove materials from machines or equipment that is automatic or tended by other workers.

Machinists

Set up and operate a variety of machine tools to produce precision parts and instruments. Includes precision instrument making

Magnetic Resonance Imaging Technologists

Operate Magnetic Resonance Imaging (MRI) scanners. Monitor patient safety and comfort, and view images of area being scanned

Maids and Housekeeping Cleaners

Perform any combination of light cleaning duties to maintain private households or commercial establishments, such as hotels

Mail Clerks and Mail Machine Operators, Except Postal Service

Prepare incoming and outgoing mail for distribution. Use hand or mail handling machines to time stamp, open, read, sort, and

Maintenance and Repair Workers, General

Perform work involving the skills of two or more maintenance or craft occupations to keep machines, mechanical equipment,

Maintenance Workers, Machinery

Lubricate machinery, change parts, or perform other routine machinery maintenance.

Makeup Artists, Theatrical and Performance

Apply makeup to performers to reflect period, setting, and situation of their role.

Management Analysts
Conduct organizational studies and evaluations, design systems and procedures, conduct work simplification and measurements.
Managers, All Other
All managers not listed separately.
Manicurists and Pedicurists
Clean and shape customers' fingernails and toenails. May polish or decorate nails.
Manufactured Building and Mobile Home Installers
Move or install mobile homes or prefabricated buildings.
Manufacturing Engineering Technologists
Develop tools, implement designs, or integrate machinery, equipment, or computer technologies to ensure effective manufacturing.
Manufacturing Engineers
Design, integrate, or improve manufacturing systems or related processes. May work with commercial or industrial designers.
Manufacturing Production Technicians
Set up, test, and adjust manufacturing machinery or equipment, using any combination of electrical, electronic, mechanical, hydraulic, or pneumatic systems.
Mapping Technicians
Calculate mapmaking information from field notes, and draw and verify accuracy of topographical maps.
Marine Architects
Design and oversee construction and repair of marine craft and floating structures such as ships, barges, tugs, dredges, submarines, and offshore platforms.
Marine Engineers
Design, develop, and take responsibility for the installation of ship machinery and related equipment including propulsion machinery, electrical systems, and heating, ventilation, and air conditioning systems.

Marine Engineers and Naval Architects

Design, develop, and evaluate the operation of marine vessels, ship machinery, and related equipment, such as power supply

Market Research Analysts and Marketing Specialists

Research market conditions in local, regional, or national areas, or gather information to determine potential sales of a product

Marketing Managers

Plan, direct, or coordinate marketing policies and programs, such as determining the demand for products and services offered

Marking Clerks

Print and attach price tickets to articles of merchandise using one or several methods, such as marking price on tickets by hand

Marriage and Family Therapists

Diagnose and treat mental and emotional disorders, whether cognitive, affective, or behavioral, within the context of marriage

Massage Therapists

Perform therapeutic massages of soft tissues and joints. May assist in the assessment of range of motion and muscle strength

Material Moving Workers, All Other

All material moving workers not listed separately.

Materials Engineers

Evaluate materials and develop machinery and processes to manufacture materials for use in products that must meet special

Materials Scientists

Research and study the structures and chemical properties of various natural and synthetic or composite materials, including

Mates- Ship, Boat, and Barge

Supervise or coordinate activities of crew aboard ships, boats, barges, or dredges.

Mathematical Science Occupations, All Other
All mathematical scientists not listed separately.
Mathematical Science Teachers, Postsecondary
Teach courses pertaining to mathematical concepts, statistics, and actuarial science and to the application of original and stan
Mathematical Technicians
Apply standardized mathematical formulas, principles, and methodology to technological problems in engineering and physic
Mathematicians
Conduct research in fundamental mathematics or in application of mathematical techniques to science, management, and ot
Meat, Poultry, and Fish Cutters and Trimmers
Use hand or hand tools to perform routine cutting and trimming of meat, poultry, and seafood.
Mechanical Door Repairers
Install, service, or repair automatic door mechanisms and hydraulic doors. Includes garage door mechanics.
Mechanical Drafters
Prepare detailed working diagrams of machinery and mechanical devices, including dimensions, fastening methods, and othe
Mechanical Engineering Technicians
Apply theory and principles of mechanical engineering to modify, develop, test, or calibrate machinery and equipment under
Mechanical Engineering Technologists
Assist mechanical engineers in such activities as generation, transmission, or use of mechanical or fluid energy. Prepare layout
Mechanical Engineers
Perform engineering duties in planning and designing tools, engines, machines, and other mechanically functioning equipmen

Mechatronics Engineers
Research, design, develop, or test automation, intelligent systems, smart devices, or industrial systems control.
Media and Communication Equipment Workers, All Other
All media and communication equipment workers not listed separately.
Media and Communication Workers, All Other
All media and communication workers not listed separately.
Medical and Clinical Laboratory Technicians
Perform routine medical laboratory tests for the diagnosis, treatment, and prevention of disease. May work under the supervision of a medical laboratory technologist.
Medical and Clinical Laboratory Technologists
Perform complex medical laboratory tests for diagnosis, treatment, and prevention of disease. May train or supervise staff.
Medical and Health Services Managers
Plan, direct, or coordinate medical and health services in hospitals, clinics, managed care organizations, public health agencies, or health-related organizations.
Medical Appliance Technicians
Construct, fit, maintain, or repair medical supportive devices, such as braces, orthotics and prosthetic devices, joints, arch supports, and dentures.
Medical Assistants
Perform administrative and certain clinical duties under the direction of a physician. Administrative duties may include scheduling, billing, and medical records management. Clinical duties may include taking vital signs, preparing patients for examination, and assisting with procedures.
Medical Equipment Preparers
Prepare, sterilize, install, or clean laboratory or healthcare equipment. May perform routine laboratory tasks and operate or maintain laboratory equipment.
Medical Equipment Repairers
Test, adjust, or repair biomedical or electromedical equipment.

Medical Records and Health Information Technicians
Compile, process, and maintain medical records of hospital and clinic patients in a manner consistent with medical, administrative, and legal requirements.
Medical Scientists, Except Epidemiologists
Conduct research dealing with the understanding of human diseases and the improvement of human health. Engage in clinical research, laboratory research, or both.
Medical Secretaries
Perform secretarial duties using specific knowledge of medical terminology and hospital, clinic, or laboratory procedures. Duties may include scheduling, filing, and correspondence.
Medical Transcriptionists
Transcribe medical reports recorded by physicians and other healthcare practitioners using various electronic devices, covering a variety of medical specialties.
Meeting, Convention, and Event Planners
Coordinate activities of staff, convention personnel, or clients to make arrangements for group meetings, events, or conventions. Duties may include selecting venues, negotiating contracts, and managing budgets.
Mental Health and Substance Abuse Social Workers
Assess and treat individuals with mental, emotional, or substance abuse problems, including abuse of alcohol, tobacco, and/or drugs. Provide counseling and support services.
Mental Health Counselors
Counsel with emphasis on prevention. Work with individuals and groups to promote optimum mental and emotional health. Provide support and guidance.
Merchandise Displayers and Window Trimmers
Plan and erect commercial displays, such as those in windows and interiors of retail stores and at trade exhibitions. Duties may include selecting merchandise, designing displays, and maintaining displays.
Metal Workers and Plastic Workers, All Other
All metal workers and plastic workers not listed separately.
Metal-Refining Furnace Operators and Tenders
Operate or tend furnaces, such as gas, oil, coal, electric-arc or electric induction, open-hearth, or oxygen furnaces, to melt and refine metal.

Meter Readers, Utilities
Read meter and record consumption of electricity, gas, water, or steam.
Methane/Landfill Gas Collection System Operators
Direct daily operations, maintenance, or repair of landfill gas projects, including maintenance of daily logs, determination of s
Methane/Landfill Gas Generation System Technicians
Monitor, operate, and maintain landfill gas collection system components and environmental monitoring and control systems
Microbiologists
Investigate the growth, structure, development, and other characteristics of microscopic organisms, such as bacteria, algae, o
Microsystems Engineers
Research, design, develop, or test microelectromechanical systems (MEMS) devices.
Middle School Teachers, Except Special and Career/Technical Education
Teach students in one or more subjects in public or private schools at the middle, intermediate, or junior high level, which fall
Midwives
Provide prenatal care and childbirth assistance.
Military Enlisted Tactical Operations and Air/Weapons Specialists and Crew Members, All Other
All military enlisted tactical operations and air/weapons specialists and crew members not listed separately.
Military Officer Special and Tactical Operations Leaders, All Other
All military officer special and tactical operations leaders not listed separately.
Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic
Set up, operate, or tend milling or planing machines to mill, plane, shape, groove, or profile metal or plastic work pieces.

Millwrights
Install, dismantle, or move machinery and heavy equipment according to layout plans, blueprints, or other drawings.
Mine Cutting and Channeling Machine Operators
Operate machinery such as longwall shears, plows, and cutting machines to cut or channel along the face or seams of coal mi
Mine Shuttle Car Operators
Operate diesel or electric-powered shuttle car in underground mine to transport materials from working face to mine cars or
Mining and Geological Engineers, Including Mining Safety Engineers
Conduct sub-surface surveys to identify the characteristics of potential land or mining development sites. May specify the gro
Mining Machine Operators, All Other
All mining machine operators not listed separately.
Mixing and Blending Machine Setters, Operators, and Tenders
Set up, operate, or tend machines to mix or blend materials, such as chemicals, tobacco, liquids, color pigments, or explosive
Mobile Heavy Equipment Mechanics, Except Engines
Diagnose, adjust, repair, or overhaul mobile mechanical, hydraulic, and pneumatic equipment, such as cranes, bulldozers, gra
Model Makers, Metal and Plastic
Set up and operate machines, such as lathes, milling and engraving machines, and jig borers to make working models of meta
Model Makers, Wood
Construct full-size and scale wooden precision models of products. Includes wood jig builders and loft workers.
Models
Model garments or other apparel and accessories for prospective buyers at fashion shows, private showings, or retail establis

Molders, Shapers, and Casters, Except Metal and Plastic
Mold, shape, form, cast, or carve products such as food products, figurines, tile, pipes, and candles consisting of clay, glass, plastic, or other materials.
Molding and Casting Workers
Perform a variety of duties such as mixing materials, assembling mold parts, filling molds, and stacking molds to mold and cast metal or plastic.
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic
Set up, operate, or tend metal or plastic molding, casting, or coremaking machines to mold or cast metal or thermoplastic parts.
Molecular and Cellular Biologists
Research and study cellular molecules and organelles to understand cell function and organization.
Morticians, Undertakers, and Funeral Directors
Perform various tasks to arrange and direct funeral services, such as coordinating transportation of body to mortuary, interviewing family, and preparing the body for burial or cremation.
Motion Picture Projectionists
Set up and operate motion picture projection and related sound reproduction equipment.
Motor Vehicle Operators, All Other
All motor vehicle operators not listed separately.
Motorboat Mechanics and Service Technicians
Repair and adjust electrical and mechanical equipment of inboard or inboard-outboard boat engines.
Motorboat Operators
Operate small motor-driven boats. May assist in navigational activities.
Motorcycle Mechanics
Diagnose, adjust, repair, or overhaul motorcycles, scooters, mopeds, dirt bikes, or similar motorized vehicles.

Multimedia Artists and Animators

Create special effects, animation, or other visual images using film, video, computers, or other electronic tools and media for

Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic

Set up, operate, or tend more than one type of cutting or forming machine tool or robot.

Municipal Clerks

Draft agendas and bylaws for town or city council; record minutes of council meetings; answer official correspondence; keep t

Municipal Fire Fighting and Prevention Supervisors

Supervise fire fighters who control and extinguish municipal fires, protect life and property, and conduct rescue efforts.

Municipal Firefighters

Control and extinguish municipal fires, protect life and property and conduct rescue efforts.

Museum Technicians and Conservators

Restore, maintain, or prepare objects in museum collections for storage, research, or exhibit. May work with specimens such

Music Composers and Arrangers

Write and transcribe musical scores.

Music Directors

Direct and conduct instrumental or vocal performances by musical groups, such as orchestras or choirs.

Music Directors and Composers

Conduct, direct, plan, and lead instrumental or vocal performances by musical groups, such as orchestras, bands, choirs, and

Music Therapists

Plan, organize, or direct medically prescribed music therapy activities designed to positively influence patients' psychological

Musical Instrument Repairers and Tuners
Repair percussion, stringed, reed, or wind instruments. May specialize in one area, such as piano tuning.
Musicians and Singers
Play one or more musical instruments or sing. May perform on stage, for on-air broadcasting, or for sound or video recording.
Musicians, Instrumental
Play one or more musical instruments in recital, in accompaniment, or as members of an orchestra, band, or other musical group.
Nannies
Care for children in private households and provide support and expertise to parents in satisfying children's physical, emotional, and educational needs.
Nanosystems Engineers
Design, develop, or supervise the production of materials, devices, or systems of unique molecular or macromolecular composition.
Nanotechnology Engineering Technicians
Operate commercial-scale production equipment to produce, test, or modify materials, devices, or systems of molecular or macromolecular composition.
Nanotechnology Engineering Technologists
Implement production processes for nanoscale designs to produce or modify materials, devices, or systems of unique molecular or macromolecular composition.
Natural Sciences Managers
Plan, direct, or coordinate activities in such fields as life sciences, physical sciences, mathematics, statistics, and research and development.
Naturopathic Physicians
Diagnose, treat, and help prevent diseases using a system of practice that is based on the natural healing capacity of individuals.
Network and Computer Systems Administrators
Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet systems or intranets.

Neurodiagnostic Technologists
Conduct electroneurodiagnostic (END) tests such as electroencephalograms, evoked potentials, polysomnograms, or electron
Neurologists
Diagnose, treat, and help prevent diseases and disorders of the nervous system.
Neuropsychologists and Clinical Neuropsychologists
Apply theories and principles of neuropsychology to diagnose and treat disorders of higher cerebral functioning.
New Accounts Clerks
Interview persons desiring to open accounts in financial institutions. Explain account services available to prospective custom
Non-Destructive Testing Specialists
Test the safety of structures, vehicles, or vessels using x-ray, ultrasound, fiber optic or related equipment.
Nonfarm Animal Caretakers
Feed, water, groom, bathe, exercise, or otherwise care for pets and other nonfarm animals, such as dogs, cats, ornamental fis
Nuclear Engineers
Conduct research on nuclear engineering projects or apply principles and theory of nuclear science to problems concerned w
Nuclear Equipment Operation Technicians
Operate equipment used for the release, control, or utilization of nuclear energy to assist scientists in laboratory or productio
Nuclear Medicine Physicians
Diagnose and treat diseases using radioactive materials and techniques. May monitor radionuclide preparation, administratio
Nuclear Medicine Technologists
Prepare, administer, and measure radioactive isotopes in therapeutic, diagnostic, and tracer studies using a variety of radioiso

Nuclear Monitoring Technicians
Collect and test samples to monitor results of nuclear experiments and contamination of humans, facilities, and environment.
Nuclear Power Reactor Operators
Operate or control nuclear reactors. Move control rods, start and stop equipment, monitor and adjust controls, and record data.
Nuclear Technicians
Assist nuclear physicists, nuclear engineers, or other scientists in laboratory or production activities. May operate, maintain, or repair equipment.
Nurse Anesthetists
Administer anesthesia, monitor patient's vital signs, and oversee patient recovery from anesthesia. May assist anesthesiologists.
Nurse Midwives
Diagnose and coordinate all aspects of the birthing process, either independently or as part of a healthcare team. May provide prenatal and postnatal care.
Nurse Practitioners
Diagnose and treat acute, episodic, or chronic illness, independently or as part of a healthcare team. May focus on health promotion and disease prevention.
Nursery and Greenhouse Managers
Plan, organize, direct, control, and coordinate activities of workers engaged in propagating, cultivating, and harvesting horticultural plants.
Nursery Workers
Work in nursery facilities or at customer location planting, cultivating, harvesting, and transplanting trees, shrubs, or plants.
Nursing Assistants
Provide basic patient care under direction of nursing staff. Perform duties such as feed, bathe, dress, groom, or move patients.
Nursing Instructors and Teachers, Postsecondary
Demonstrate and teach patient care in classroom and clinical units to nursing students. Includes both teachers primarily engaged in teaching and those primarily engaged in research.

Obstetricians and Gynecologists
Physicians who provide medical care related to pregnancy or childbirth and those who diagnose, treat, and help prevent disease.
Occupational Health and Safety Specialists
Review, evaluate, and analyze work environments and design programs and procedures to control, eliminate, and prevent disease and injury.
Occupational Health and Safety Technicians
Collect data on work environments for analysis by occupational health and safety specialists. Implement and conduct evaluation programs.
Occupational Therapists
Assess, plan, organize, and participate in rehabilitative programs that help build or restore vocational, homemaking, and daily living skills.
Occupational Therapy Aides
Under close supervision of an occupational therapist or occupational therapy assistant, perform only delegated, selected, or routine tasks.
Occupational Therapy Assistants
Assist occupational therapists in providing occupational therapy treatments and procedures. May, in accordance with State law, perform delegated tasks.
Office and Administrative Support Workers, All Other
All office and administrative support workers not listed separately.
Office Clerks, General
Perform duties too varied and diverse to be classified in any specific office clerical occupation, requiring knowledge of office systems.
Office Machine Operators, Except Computer
Operate one or more of a variety of office machines, such as photocopying, photographic, and duplicating machines, or other office equipment.
Online Merchants
Conduct retail activities of businesses operating exclusively online. May perform duties such as preparing business strategies, managing inventory, and customer service.

Operating Engineers and Other Construction Equipment Operators
Operate one or several types of power construction equipment, such as motor graders, bulldozers, scrapers, compressors, pu
Operations Research Analysts
Formulate and apply mathematical modeling and other optimizing methods to develop and interpret information that assists
Ophthalmic Laboratory Technicians
Cut, grind, and polish eyeglasses, contact lenses, or other precision optical elements. Assemble and mount lenses into frames
Ophthalmic Medical Technicians
Assist ophthalmologists by performing ophthalmic clinical functions. May administer eye exams, administer eye medications,
Ophthalmic Medical Technologists
Assist ophthalmologists by performing ophthalmic clinical functions and ophthalmic photography. Provide instruction and sup
Ophthalmologists
Diagnose, treat, and help prevent diseases and injuries of the eyes and related structures.
Opticians, Dispensing
Design, measure, fit, and adapt lenses and frames for client according to written optical prescription or specification. Assist cl
Optometrists
Diagnose, manage, and treat conditions and diseases of the human eye and visual system. Examine eyes and visual system, di
Oral and Maxillofacial Surgeons
Perform surgery and related procedures on the hard and soft tissues of the oral and maxillofacial regions to treat diseases, inj
Order Clerks
Receive and process incoming orders for materials, merchandise, classified ads, or services such as repairs, installations, or re

Order Fillers, Wholesale and Retail Sales
Fill customers' mail and telephone orders from stored merchandise in accordance with specifications on sales slips or order forms.
Orderlies
Transport patients to areas such as operating rooms or x-ray rooms using wheelchairs, stretchers, or moveable beds. May maintain order in waiting rooms.
Orthodontists
Examine, diagnose, and treat dental malocclusions and oral cavity anomalies. Design and fabricate appliances to realign teeth.
Orthoptists
Diagnose and treat visual system disorders such as binocular vision and eye movement impairments.
Orthotists and Prosthetists
Design, measure, fit, and adapt orthopedic braces, appliances or prostheses, such as limbs or facial parts for patients with disabilities.
Outdoor Power Equipment and Other Small Engine Mechanics
Diagnose, adjust, repair, or overhaul small engines used to power lawn mowers, chain saws, recreational sporting equipment, and other small engines.
Packaging and Filling Machine Operators and Tenders
Operate or tend machines to prepare industrial or consumer products for storage or shipment. Includes cannery workers who operate filling machines.
Packers and Packagers, Hand
Pack or package by hand a wide variety of products and materials.
Painters, Construction and Maintenance
Paint walls, equipment, buildings, bridges, and other structural surfaces, using brushes, rollers, and spray guns. May remove old paint.
Painters, Transportation Equipment
Operate or tend painting machines to paint surfaces of transportation equipment, such as automobiles, buses, trucks, trains, and ships.

Painting, Coating, and Decorating Workers
Paint, coat, or decorate articles such as furniture, glass, plateware, pottery, jewelry, toys, books, or leather.
Paper Goods Machine Setters, Operators, and Tenders
Set up, operate, or tend paper goods machines that perform a variety of functions, such as converting, sawing, corrugating, b
Paperhangers
Cover interior walls or ceilings of rooms with decorative wallpaper or fabric, or attach advertising posters on surfaces such as
Paralegals and Legal Assistants
Assist lawyers by investigating facts, preparing legal documents, or researching legal precedent. Conduct research to support
Park Naturalists
Plan, develop, and conduct programs to inform public of historical, natural, and scientific features of national, state, or local p
Parking Enforcement Workers
Patrol assigned area, such as public parking lot or city streets to issue tickets to overtime parking violators and illegally parked
Parking Lot Attendants
Park vehicles or issue tickets for customers in a parking lot or garage. May collect fee.
Parts Salespersons
Sell spare and replacement parts and equipment in repair shop or parts store.
Pathologists
Diagnose presence and stage of diseases using laboratory techniques and patient specimens. Study the nature, cause, and de
Patient Representatives
Assist patients in obtaining services, understanding policies and making health care decisions.

Patternmakers, Metal and Plastic

Lay out, machine, fit, and assemble castings and parts to metal or plastic foundry patterns, core boxes, or match plates.

Patternmakers, Wood

Plan, lay out, and construct wooden unit or sectional patterns used in forming sand molds for castings.

Paving, Surfacing, and Tamping Equipment Operators

Operate equipment used for applying concrete, asphalt, or other materials to road beds, parking lots, or airport runways and

Payroll and Timekeeping Clerks

Compile and record employee time and payroll data. May compute employees' time worked, production, and commission. M

Pediatricians, General

Physicians who diagnose, treat, and help prevent children's diseases and injuries.

Personal Care Aides

Assist the elderly, convalescents, or persons with disabilities with daily living activities at the person's home or in a care facility

Personal Care and Service Workers, All Other

All personal care and service workers not listed separately.

Personal Financial Advisors

Advise clients on financial plans using knowledge of tax and investment strategies, securities, insurance, pension plans, and re

Pest Control Workers

Apply or release chemical solutions or toxic gases and set traps to kill or remove pests and vermin that infest buildings and su

Pesticide Handlers, Sprayers, and Applicators, Vegetation

Mix or apply pesticides, herbicides, fungicides, or insecticides through sprays, dusts, vapors, soil incorporation, or chemical ap

Petroleum Engineers

Devise methods to improve oil and gas extraction and production and determine the need for new or modified tool designs. C

Petroleum Pump System Operators, Refinery Operators, and Gaugers

Operate or control petroleum refining or processing units. May specialize in controlling manifold and pumping systems, gauging

Pharmacists

Dispense drugs prescribed by physicians and other health practitioners and provide information to patients about medication

Pharmacy Aides

Record drugs delivered to the pharmacy, store incoming merchandise, and inform the supervisor of stock needs. May operate

Pharmacy Technicians

Prepare medications under the direction of a pharmacist. May measure, mix, count out, label, and record amounts and dosag

Philosophy and Religion Teachers, Postsecondary

Teach courses in philosophy, religion, and theology. Includes both teachers primarily engaged in teaching and those who do a

Phlebotomists

Draw blood for tests, transfusions, donations, or research. May explain the procedure to patients and assist in the recovery of

Photographers

Photograph people, landscapes, merchandise, or other subjects, using digital or film cameras and equipment. May develop n

Photographic Process Workers and Processing Machine Operators

Perform work involved in developing and processing photographic images from film or digital media. May perform precision t

Photonics Engineers

Design technologies specializing in light information or light energy, such as laser or fiber optics technology.

Photonics Technicians

Build, install, test, or maintain optical or fiber optic equipment, such as lasers, lenses, or mirrors, using spectrometers, interferometers, and other optical instruments.

Physical Medicine and Rehabilitation Physicians

Diagnose and treat disorders requiring physiotherapy to provide physical, mental, and occupational rehabilitation.

Physical Scientists, All Other

All physical scientists not listed separately.

Physical Therapist Aides

Under close supervision of a physical therapist or physical therapy assistant, perform only delegated, selected, or routine tasks.

Physical Therapist Assistants

Assist physical therapists in providing physical therapy treatments and procedures. May, in accordance with State laws, assist in the administration of physical therapy treatments.

Physical Therapists

Assess, plan, organize, and participate in rehabilitative programs that improve mobility, relieve pain, increase strength, and improve function.

Physician Assistants

Provide healthcare services typically performed by a physician, under the supervision of a physician. Conduct complete physical examinations, take medical histories, and perform diagnostic tests.

Physicians and Surgeons, All Other

All physicians and surgeons not listed separately.

Physicists

Conduct research into physical phenomena, develop theories on the basis of observation and experiments, and devise methods of testing theories.

Physics Teachers, Postsecondary

Teach courses pertaining to the laws of matter and energy. Includes both teachers primarily engaged in teaching and those who also conduct research.

Pile-Driver Operators

Operate pile drivers mounted on skids, barges, crawler treads, or locomotive cranes to drive pilings for retaining walls, bulkheads, and other structures.

Pilots, Ship

Command ships to steer them into and out of harbors, estuaries, straits, or sounds, or on rivers, lakes, or bays. Must be licensed by the U.S. Coast Guard.

Pipe Fitters and Steamfitters

Lay out, assemble, install, or maintain pipe systems, pipe supports, or related hydraulic or pneumatic equipment for steam, hot water, or other fluids.

Pipelayers

Lay pipe for storm or sanitation sewers, drains, and water mains. Perform any combination of the following tasks: grade trench, lay pipe, backfill, and compact.

Plant and System Operators, All Other

All plant and system operators not listed separately.

Plasterers and Stucco Masons

Apply interior or exterior plaster, cement, stucco, or similar materials. May also set ornamental plaster.

Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic

Set up, operate, or tend plating or coating machines to coat metal or plastic products with chromium, zinc, copper, cadmium, or other materials.

Plumbers

Assemble, install, or repair pipes, fittings, or fixtures of heating, water, or drainage systems, according to specifications or plans.

Plumbers, Pipefitters, and Steamfitters

Assemble, install, alter, and repair pipelines or pipe systems that carry water, steam, air, or other liquids or gases. May install and maintain valves, pumps, and other equipment.

Podiatrists

Diagnose and treat diseases and deformities of the human foot.

Poets, Lyricists and Creative Writers

Create original written works, such as scripts, essays, prose, poetry or song lyrics, for publication or performance.

Police and Sheriff's Patrol Officers

Maintain order and protect life and property by enforcing local, tribal, State, or Federal laws and ordinances. Perform a comb

Police Detectives

Conduct investigations to prevent crimes or solve criminal cases.

Police Identification and Records Officers

Collect evidence at crime scene, classify and identify fingerprints, and photograph evidence for use in criminal and civil cases.

Police Patrol Officers

Patrol assigned area to enforce laws and ordinances, regulate traffic, control crowds, prevent crime, and arrest violators.

Police, Fire, and Ambulance Dispatchers

Operate radio, telephone, or computer equipment at emergency response centers. Receive reports from the public of crimes,

Political Science Teachers, Postsecondary

Teach courses in political science, international affairs, and international relations. Includes both teachers primarily engaged in

Political Scientists

Study the origin, development, and operation of political systems. May study topics, such as public opinion, political decision-

Postal Service Clerks

Perform any combination of tasks in a post office, such as receive letters and parcels; sell postage and revenue stamps, postal

Postal Service Mail Carriers

Sort mail for delivery. Deliver mail on established route by vehicle or on foot.

Postal Service Mail Sorters, Processors, and Processing Machine Operators
Prepare incoming and outgoing mail for distribution. Examine, sort, and route mail. Load, operate, and occasionally adjust and
Postmasters and Mail Superintendents
Plan, direct, or coordinate operational, administrative, management, and supportive services of a U.S. post office; or coordina
Postsecondary Teachers, All Other
All postsecondary teachers not listed separately.
Potters, Manufacturing
Operate production machines such as pug mill, jigger machine, or potter's wheel to process clay in manufacture of ceramic, p
Pourers and Casters, Metal
Operate hand-controlled mechanisms to pour and regulate the flow of molten metal into molds to produce castings or ingots
Power Distributors and Dispatchers
Coordinate, regulate, or distribute electricity or steam.
Power Plant Operators
Control, operate, or maintain machinery to generate electric power. Includes auxiliary equipment operators.
Precious Metal Workers
Cast, anneal, solder, hammer, or shape gold, silver, pewter or other metals to form jewelry or other metal items such as goble
Precision Agriculture Technicians
Apply geospatial technologies, including geographic information systems (GIS) and Global Positioning System (GPS), to agricul
Precision Instrument and Equipment Repairers, All Other
All precision instrument and equipment repairers not listed separately.

Prepress Technicians and Workers

Format and proof text and images submitted by designers and clients into finished pages that can be printed. Includes digital

Preschool Teachers, Except Special Education

Instruct preschool-aged children in activities designed to promote social, physical, and intellectual growth needed for primary

Pressers, Textile, Garment, and Related Materials

Press or shape articles by hand or machine.

Preventive Medicine Physicians

Apply knowledge of general preventive medicine and public health issues to promote health care to groups or individuals, and

Print Binding and Finishing Workers

Bind books and other publications or finish printed products by hand or machine. May set up binding and finishing machines.

Printing Press Operators

Set up and operate digital, letterpress, lithographic, flexographic, gravure, or other printing machines. Includes short-run offse

Private Detectives and Investigators

Gather, analyze, compile and report information regarding individuals or organizations to clients, or detect occurrences of unl

Probation Officers and Correctional Treatment Specialists

Provide social services to assist in rehabilitation of law offenders in custody or on probation or parole. Make recommendation

Procurement Clerks

Compile information and records to draw up purchase orders for procurement of materials and services.

Producers

Plan and coordinate various aspects of radio, television, stage, or motion picture production, such as selecting script, coordin

Producers and Directors
Produce or direct stage, television, radio, video, or motion picture productions for entertainment, information, or instruction.
Product Safety Engineers
Develop and conduct tests to evaluate product safety levels and recommend measures to reduce or eliminate hazards.
Production Workers, All Other
All production workers not listed separately.
Production, Planning, and Expediting Clerks
Coordinate and expedite the flow of work and materials within or between departments of an establishment according to pro
Program Directors
Direct and coordinate activities of personnel engaged in preparation of radio or television station program schedules and prog
Proofreaders and Copy Markers
Read transcript or proof type setup to detect and mark for correction any grammatical, typographical, or compositional errors
Property, Real Estate, and Community Association Managers
Plan, direct, or coordinate the selling, buying, leasing, or governance activities of commercial, industrial, or residential real es
Prosthodontists
Construct oral prostheses to replace missing teeth and other oral structures to correct natural and acquired deformation of m
Protective Service Workers, All Other
All protective service workers not listed separately.
Psychiatric Aides
Assist mentally impaired or emotionally disturbed patients, working under direction of nursing and medical staff. May assist w

Psychiatric Technicians
Care for individuals with mental or emotional conditions or disabilities, following the instructions of physicians or other health professionals.
Psychiatrists
Physicians who diagnose, treat, and help prevent disorders of the mind.
Psychologists, All Other
All psychologists not listed separately.
Psychology Teachers, Postsecondary
Teach courses in psychology, such as child, clinical, and developmental psychology, and psychological counseling. Includes both postsecondary and postgraduate teachers.
Public Address System and Other Announcers
Make announcements over public address system at sporting or other public events. May act as master of ceremonies or disc jockey.
Public Relations and Fundraising Managers
Plan, direct, or coordinate activities designed to create or maintain a favorable public image or raise issue awareness for their organization.
Public Relations Specialists
Engage in promoting or creating an intended public image for individuals, groups, or organizations. May write or select material for press releases, brochures, or other promotional material.
Pump Operators, Except Wellhead Pumpers
Tend, control, or operate power-driven, stationary, or portable pumps and manifold systems to transfer gases, oil, other liquids, or slurries.
Purchasing Agents, Except Wholesale, Retail, and Farm Products
Purchase machinery, equipment, tools, parts, supplies, or services necessary for the operation of an establishment. Purchase materials for manufacturing or construction.
Purchasing Managers
Plan, direct, or coordinate the activities of buyers, purchasing officers, and related workers involved in purchasing materials, parts, or supplies.

Quality Control Analysts

Conduct tests to determine quality of raw materials, bulk intermediate and finished products. May conduct stability sample tests.

Quality Control Systems Managers

Plan, direct, or coordinate quality assurance programs. Formulate quality control policies and control quality of laboratory and manufacturing processes.

Radar and Sonar Technicians

Operate equipment using radio or sound wave technology to identify, track, and analyze objects or natural phenomena of military or maritime interest.

Radiation Therapists

Provide radiation therapy to patients as prescribed by a radiologist according to established practices and standards. Duties may include patient positioning, treatment planning, and quality assurance.

Radio and Television Announcers

Speak or read from scripted materials, such as news reports or commercial messages, on radio or television. May announce a variety of events, including sports, entertainment, and public service announcements.

Radio Frequency Identification Device Specialists

Design and implement radio frequency identification device (RFID) systems used to track shipments or goods.

Radio Mechanics

Test or repair mobile or stationary radio transmitting and receiving equipment and two-way radio communications systems used in various industries.

Radio Operators

Receive and transmit communications using radiotelephone equipment in accordance with government regulations. May report on the status of equipment and personnel.

Radio, Cellular, and Tower Equipment Installers and Repairers

Repair, install or maintain mobile or stationary radio transmitting, broadcasting, and receiving equipment, and two-way radio systems.

Radiologic Technicians

Maintain and use equipment and supplies necessary to demonstrate portions of the human body on x-ray film or fluoroscopic images.

Radiologic Technologists
Take x rays and CAT scans or administer nonradioactive materials into patient's blood stream for diagnostic purposes. Includes
Radiologists
Examine and diagnose disorders and diseases using x-rays and radioactive materials. May treat patients.
Rail Car Repairers
Diagnose, adjust, repair, or overhaul railroad rolling stock, mine cars, or mass transit rail cars.
Rail Transportation Workers, All Other
All rail transportation workers not listed separately.
Rail Yard Engineers, Dinkey Operators, and Hostlers
Drive switching or other locomotive or dinkey engines within railroad yard, industrial plant, quarry, construction project, or sim
Rail-Track Laying and Maintenance Equipment Operators
Lay, repair, and maintain track for standard or narrow-gauge railroad equipment used in regular railroad service or in plant yar
Railroad Brake, Signal, and Switch Operators
Operate railroad track switches. Couple or uncouple rolling stock to make up or break up trains. Signal engineers by hand or fl
Railroad Conductors and Yardmasters
Coordinate activities of switch-engine crew within railroad yard, industrial plant, or similar location. Conductors coordinate ac
Range Managers
Research or study range land management practices to provide sustained production of forage, livestock, and wildlife.
Real Estate Brokers
Operate real estate office, or work for commercial real estate firm, overseeing real estate transactions. Other duties usually in

Real Estate Sales Agents
Rent, buy, or sell property for clients. Perform duties, such as study property listings, interview prospective clients, accompan
Receptionists and Information Clerks
Answer inquiries and provide information to the general public, customers, visitors, and other interested parties regarding ac
Recreation and Fitness Studies Teachers, Postsecondary
Teach courses pertaining to recreation, leisure, and fitness studies, including exercise physiology and facilities management. In
Recreation Workers
Conduct recreation activities with groups in public, private, or volunteer agencies or recreation facilities. Organize and promo
Recreational Therapists
Plan, direct, or coordinate medically-approved recreation programs for patients in hospitals, nursing homes, or other instituti
Recreational Vehicle Service Technicians
Diagnose, inspect, adjust, repair, or overhaul recreational vehicles including travel trailers. May specialize in maintaining gas, e
Recycling and Reclamation Workers
Prepare and sort materials or products for recycling. Identify and remove hazardous substances. Dismantle components of pr
Recycling Coordinators
Supervise curbside and drop-off recycling programs for municipal governments or private firms.
Refractory Materials Repairers, Except Brickmasons
Build or repair equipment such as furnaces, kilns, cupolas, boilers, converters, ladles, soaking pits and ovens, using refractory
Refrigeration Mechanics and Installers
Install and repair industrial and commercial refrigerating systems.

Refuse and Recyclable Material Collectors
Collect and dump refuse or recyclable materials from containers into truck. May drive truck.
Registered Nurses
Assess patient health problems and needs, develop and implement nursing care plans, and maintain medical records. Admini
Regulatory Affairs Managers
Plan, direct, or coordinate production activities of an organization to ensure compliance with regulations and standard operat
Regulatory Affairs Specialists
Coordinate and document internal regulatory processes, such as internal audits, inspections, license renewals, or registration
Rehabilitation Counselors
Counsel individuals to maximize the independence and employability of persons coping with personal, social, and vocational
Reinforcing Iron and Rebar Workers
Position and secure steel bars or mesh in concrete forms in order to reinforce concrete. Use a variety of fasteners, rod-bendin
Religious Workers, All Other
All religious workers not listed separately.
Remote Sensing Scientists and Technologists
Apply remote sensing principles and methods to analyze data and solve problems in areas such as natural resource managem
Remote Sensing Technicians
Apply remote sensing technologies to assist scientists in areas such as natural resources, urban planning, or homeland securit
Reporters and Correspondents
Collect and analyze facts about newsworthy events by interview, investigation, or observation. Report and write stories for ne

Reservation and Transportation Ticket Agents and Travel Clerks
Make and confirm reservations for transportation or lodging, or sell transportation tickets. May check baggage and direct pas
Residential Advisors
Coordinate activities in residential facilities in secondary and college dormitories, group homes, or similar establishments. Or
Respiratory Therapists
Assess, treat, and care for patients with breathing disorders. Assume primary responsibility for all respiratory care modalities,
Respiratory Therapy Technicians
Provide respiratory care under the direction of respiratory therapists and physicians.
Retail Loss Prevention Specialists
Implement procedures and systems to prevent merchandise loss. Conduct audits and investigations of employee activity. May
Retail Salespersons
Sell merchandise, such as furniture, motor vehicles, appliances, or apparel to consumers.
Riggers
Set up or repair rigging for construction projects, manufacturing plants, logging yards, ships and shipyards, or for the entertain
Risk Management Specialists
Analyze and manage risk management issues by identifying, measuring, and making decisions on operational or enterprise ris
Robotics Engineers
Research, design, develop, or test robotic applications.
Robotics Technicians
Build, install, test, or maintain robotic equipment or related automated production systems.

Rock Splitters, Quarry

Separate blocks of rough dimension stone from quarry mass using jackhammer and wedges.

Rolling Machine Setters, Operators, and Tenders, Metal and Plastic

Set up, operate, or tend machines to roll steel or plastic forming bends, beads, knurls, rolls, or plate or to flatten, temper, or re-

Roof Bolters, Mining

Operate machinery to install roof support bolts in underground mine.

Roofers

Cover roofs of structures with shingles, slate, asphalt, aluminum, wood, or related materials. May spray roofs, sidings, and wa-

Rotary Drill Operators, Oil and Gas

Set up or operate a variety of drills to remove underground oil and gas, or remove core samples for testing during oil and gas

Rough Carpenters

Build rough wooden structures, such as concrete forms, scaffolds, tunnel, bridge, or sewer supports, billboard signs, and temp-

Roustabouts, Oil and Gas

Assemble or repair oil field equipment using hand and power tools. Perform other tasks as needed.

Sailors and Marine Oilers

Stand watch to look for obstructions in path of vessel, measure water depth, turn wheel on bridge, or use emergency equipm-

Sales Agents, Financial Services

Sell financial services, such as loan, tax, and securities counseling to customers of financial institutions and business establish-

Sales Agents, Securities and Commodities

Buy and sell securities in investment and trading firms and develop and implement financial plans for individuals, businesses,

Sales and Related Workers, All Other
All sales and related workers not listed separately.
Sales Engineers
Sell business goods or services, the selling of which requires a technical background equivalent to a baccalaureate degree in engineering.
Sales Managers
Plan, direct, or coordinate the actual distribution or movement of a product or service to the customer. Coordinate sales distribution.
Sales Representatives, Services, All Other
All services sales representatives not listed separately.
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products
Sell goods for wholesalers or manufacturers to businesses or groups of individuals. Work requires substantial knowledge of its products.
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products
Sell goods for wholesalers or manufacturers where technical or scientific knowledge is required in such areas as biology, engineering, or medicine.
Sawing Machine Setters, Operators, and Tenders, Wood
Set up, operate, or tend wood sawing machines. May operate CNC equipment. Includes lead sawyers.
School Psychologists
Investigate processes of learning and teaching and develop psychological principles and techniques applicable to educational settings.
Search Marketing Strategists
Employ search marketing tactics to increase visibility and engagement with content, products, or services in Internet-enabled environments.
Secondary School Teachers, Except Special and Career/Technical Education
Teach students in one or more subjects, such as English, mathematics, or social studies at the secondary level in public or private schools.

Secretaries and Administrative Assistants, Except Legal, Medical, and Executive
Perform routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing a
Securities and Commodities Traders
Buy and sell securities and commodities to transfer debt, capital, or risk. Establish and negotiate unit prices and terms of sale.
Securities, Commodities, and Financial Services Sales Agents
Buy and sell securities or commodities in investment and trading firms, or provide financial services to businesses and individ
Security and Fire Alarm Systems Installers
Install, program, maintain, or repair security or fire alarm wiring and equipment. Ensure that work is in accordance with relev
Security Guards
Guard, patrol, or monitor premises to prevent theft, violence, or infractions of rules. May operate x-ray and metal detector ec
Security Management Specialists
Conduct security assessments for organizations, and design security systems and processes. May specialize in areas such as pl
Security Managers
Direct an organization's security functions, including physical security and safety of employees, facilities, and assets.
Segmental Pavers
Lay out, cut, and place segmental paving units. Includes installers of bedding and restraining materials for the paving units.
Self-Enrichment Education Teachers
Teach or instruct courses other than those that normally lead to an occupational objective or degree. Courses may include sel
Semiconductor Processors
Perform any or all of the following functions in the manufacture of electronic semiconductors: load semiconductor material in

Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders

Set up, operate, or tend continuous flow or vat-type equipment; filter presses; shaker screens; centrifuges; condenser tubes;

Septic Tank Servicers and Sewer Pipe Cleaners

Clean and repair septic tanks, sewer lines, or drains. May patch walls and partitions of tank, replace damaged drain tile, or rep

Service Unit Operators, Oil, Gas, and Mining

Operate equipment to increase oil flow from producing wells or to remove stuck pipe, casing, tools, or other obstructions from

Set and Exhibit Designers

Design special exhibits and movie, television, and theater sets. May study scripts, confer with directors, and conduct research

Sewers, Hand

Sew, join, reinforce, or finish, usually with needle and thread, a variety of manufactured items. Includes weavers and stitchers

Sewing Machine Operators

Operate or tend sewing machines to join, reinforce, decorate, or perform related sewing operations in the manufacture of gar

Shampooers

Shampoo and rinse customers' hair.

Sheet Metal Workers

Fabricate, assemble, install, and repair sheet metal products and equipment, such as ducts, control boxes, drainpipes, and fur

Sheriffs and Deputy Sheriffs

Enforce law and order in rural or unincorporated districts or serve legal processes of courts. May patrol courthouse, guard co

Ship and Boat Captains

Command vessels in oceans, bays, lakes, rivers, or coastal waters.

Ship Engineers

Supervise and coordinate activities of crew engaged in operating and maintaining engines, boilers, deck machinery, and electrical equipment.

Shipping, Receiving, and Traffic Clerks

Verify and maintain records on incoming and outgoing shipments. Prepare items for shipment. Duties include assembling, addressing, and labeling.

Shoe and Leather Workers and Repairers

Construct, decorate, or repair leather and leather-like products, such as luggage, shoes, and saddles.

Shoe Machine Operators and Tenders

Operate or tend a variety of machines to join, decorate, reinforce, or finish shoes and shoe parts.

Signal and Track Switch Repairers

Install, inspect, test, maintain, or repair electric gate crossings, signals, signal equipment, track switches, section lines, or interlocking devices.

Singers

Sing songs on stage, radio, television, or motion pictures.

Skincare Specialists

Provide skincare treatments to face and body to enhance an individual's appearance. Includes electrologists and laser hair removal technicians.

Slaughterers and Meat Packers

Work in slaughtering, meat packing, or wholesale establishments performing precision functions involving the preparation of meat.

Slot Supervisors

Supervise and coordinate activities of slot department workers to provide service to patrons. Handle and settle complaints of patrons.

Social and Community Service Managers

Plan, direct, or coordinate the activities of a social service program or community outreach organization. Oversee the program.

Social and Human Service Assistants
Assist in providing client services in a wide variety of fields, such as psychology, rehabilitation, or social work, including support
Social Science Research Assistants
Assist social scientists in laboratory, survey, and other social science research. May help prepare findings for publication and a
Social Sciences Teachers, Postsecondary, All Other
All postsecondary social sciences teachers not listed separately.
Social Scientists and Related Workers, All Other
All social scientists and related workers not listed separately.
Social Work Teachers, Postsecondary
Teach courses in social work. Includes both teachers primarily engaged in teaching and those who do a combination of teachi
Social Workers, All Other
All social workers not listed separately.
Sociologists
Study human society and social behavior by examining the groups and social institutions that people form, as well as various s
Sociology Teachers, Postsecondary
Teach courses in sociology. Includes both teachers primarily engaged in teaching and those who do a combination of teaching
Software Developers, Applications
Develop, create, and modify general computer applications software or specialized utility programs. Analyze user needs and c
Software Developers, Systems Software
Research, design, develop, and test operating systems-level software, compilers, and network distribution software for medic

Software Quality Assurance Engineers and Testers

Develop and execute software test plans in order to identify software problems and their causes.

Soil and Plant Scientists

Conduct research in breeding, physiology, production, yield, and management of crops and agricultural plants or trees, shrubs,

Soil and Water Conservationists

Plan or develop coordinated practices for soil erosion control, soil or water conservation, or sound land use.

Solar Energy Installation Managers

Direct work crews installing residential or commercial solar photovoltaic or thermal systems.

Solar Energy Systems Engineers

Perform site-specific engineering analysis or evaluation of energy efficiency and solar projects involving residential, commercial,

Solar Photovoltaic Installers

Assemble, install, or maintain solar photovoltaic (PV) systems on roofs or other structures in compliance with site assessment

Solar Sales Representatives and Assessors

Contact new or existing customers to determine their solar equipment needs, suggest systems or equipment, or estimate costs

Solar Thermal Installers and Technicians

Install or repair solar energy systems designed to collect, store, and circulate solar-heated water for residential, commercial or

Solderers and Brazers

Braze or solder together components to assemble fabricated metal parts, using soldering iron, torch, or welding machine and

Sound Engineering Technicians

Operate machines and equipment to record, synchronize, mix, or reproduce music, voices, or sound effects in sporting arenas

Spa Managers

Plan, direct, or coordinate activities of a spa facility. Coordinate programs, schedule and direct staff, and oversee financial acti

Special Education Teachers, All Other

All special education teachers not listed separately.

Special Education Teachers, Kindergarten and Elementary School

Teach elementary school subjects to educationally and physically handicapped students. Includes teachers who specialize and

Special Education Teachers, Middle School

Teach middle school subjects to educationally and physically handicapped students. Includes teachers who specialize and wor

Special Education Teachers, Preschool

Teach preschool school subjects to educationally and physically handicapped students. Includes teachers who specialize and v

Special Education Teachers, Secondary School

Teach secondary school subjects to educationally and physically handicapped students. Includes teachers who specialize and

Special Forces

Implement unconventional operations by air, land, or sea during combat or peacetime as members of elite teams. These activ

Special Forces Officers

Lead elite teams that implement unconventional operations by air, land, or sea during combat or peacetime. These activities i

Speech-Language Pathologists

Assess and treat persons with speech, language, voice, and fluency disorders. May select alternative communication systems

Speech-Language Pathology Assistants

Assist speech-language pathologists in the assessment and treatment of speech, language, voice, and fluency disorders. Imple

Sports Medicine Physicians

Diagnose, treat, and help prevent injuries that occur during sporting events, athletic training, and physical activities.

Statement Clerks

Prepare and distribute bank statements to customers, answer inquiries, and reconcile discrepancies in records and accounts.

Stationary Engineers and Boiler Operators

Operate or maintain stationary engines, boilers, or other mechanical equipment to provide utilities for buildings or industrial

Statistical Assistants

Compile and compute data according to statistical formulas for use in statistical studies. May perform actuarial computations

Statisticians

Develop or apply mathematical or statistical theory and methods to collect, organize, interpret, and summarize numerical data

Stock Clerks and Order Fillers

Receive, store, and issue sales floor merchandise, materials, equipment, and other items from stockroom, warehouse, or stor

Stock Clerks, Sales Floor

Receive, store, and issue sales floor merchandise. Stock shelves, racks, cases, bins, and tables with merchandise and arrange m

Stock Clerks- Stockroom, Warehouse, or Storage Yard

Receive, store, and issue materials, equipment, and other items from stockroom, warehouse, or storage yard. Keep records a

Stone Cutters and Carvers, Manufacturing

Cut or carve stone according to diagrams and patterns.

Stonemasons

Build stone structures, such as piers, walls, and abutments. Lay walks, curbstones, or special types of masonry for vats, tanks,

Storage and Distribution Managers

Plan, direct, or coordinate the storage or distribution operations within an organization or the activities of organizations that a

Structural Iron and Steel Workers

Raise, place, and unite iron or steel girders, columns, and other structural members to form completed structures or structur

Structural Metal Fabricators and Fitters

Fabricate, position, align, and fit parts of structural metal products.

Substance Abuse and Behavioral Disorder Counselors

Counsel and advise individuals with alcohol, tobacco, drug, or other problems, such as gambling and eating disorders. May co

Subway and Streetcar Operators

Operate subway or elevated suburban trains with no separate locomotive, or electric-powered streetcar, to transport passeng

Supply Chain Managers

Direct or coordinate production, purchasing, warehousing, distribution, or financial forecasting services or activities to limit co

Surgeons

Physicians who treat diseases, injuries, and deformities by invasive, minimally-invasive, or non-invasive surgical methods, such

Surgical Assistants

Assist surgeons during surgery by performing duties such as tissue retraction, insertion of tubes and intravenous lines, or clos

Surgical Technologists

Assist in operations, under the supervision of surgeons, registered nurses, or other surgical personnel. May help set up operat

Survey Researchers

Plan, develop, or conduct surveys. May analyze and interpret the meaning of survey data, determine survey objectives, or sug

Surveying and Mapping Technicians
Perform surveying and mapping duties, usually under the direction of an engineer, surveyor, cartographer, or photogrammetrist.
Surveying Technicians
Adjust and operate surveying instruments, such as the theodolite and electronic distance-measuring equipment, and compile data.
Surveyors
Make exact measurements and determine property boundaries. Provide data relevant to the shape, contour, gravitation, location, and area of land.
Sustainability Specialists
Address organizational sustainability issues, such as waste stream management, green building practices, and green procurement.
Switchboard Operators, Including Answering Service
Operate telephone business systems equipment or switchboards to relay incoming, outgoing, and interoffice calls. May supply information to callers.
Tailors, Dressmakers, and Custom Sewers
Design, make, alter, repair, or fit garments.
Talent Directors
Audition and interview performers to select most appropriate talent for parts in stage, television, radio, or motion picture productions.
Tank Car, Truck, and Ship Loaders
Load and unload chemicals and bulk solids, such as coal, sand, and grain into or from tank cars, trucks, or ships using material-handling equipment.
Tapers
Seal joints between plasterboard or other wallboard to prepare wall surface for painting or papering.
Tax Examiners and Collectors, and Revenue Agents
Determine tax liability or collect taxes from individuals or business firms according to prescribed laws and regulations.

Tax Preparers
Prepare tax returns for individuals or small businesses.
Taxi Drivers and Chauffeurs
Drive automobiles, vans, or limousines to transport passengers. May occasionally carry cargo. Includes hearse drivers.
Teacher Assistants
Perform duties that are instructional in nature or deliver direct services to students or parents. Serve in a position for which a
Teachers and Instructors, All Other
All teachers and instructors not listed separately.
Team Assemblers
Work as part of a team having responsibility for assembling an entire product or component of a product. Team assemblers ca
Technical Directors/Managers
Coordinate activities of technical departments, such as taping, editing, engineering, and maintenance, to produce radio or tel
Technical Writers
Write technical materials, such as equipment manuals, appendices, or operating and maintenance instructions. May assist in
Telecommunications Engineering Specialists
Design or configure voice, video, and data communications systems. Supervise installation and post-installation service and m
Telecommunications Equipment Installers and Repairers, Except Line Installers
Install, set-up, rearrange, or remove switching, distribution, routing, and dialing equipment used in central offices or headend
Telecommunications Line Installers and Repairers
Install and repair telecommunications cable, including fiber optics.

Telemarketers
Solicit donations or orders for goods or services over the telephone.
Telephone Operators
Provide information by accessing alphabetical, geographical, or other directories. Assist customers with special billing requests.
Tellers
Receive and pay out money. Keep records of money and negotiable instruments involved in a financial institution's various transactions.
Terrazzo Workers and Finishers
Apply a mixture of cement, sand, pigment, or marble chips to floors, stairways, and cabinet fixtures to fashion durable and decorative surfaces.
Textile Bleaching and Dyeing Machine Operators and Tenders
Operate or tend machines to bleach, shrink, wash, dye, or finish textiles or synthetic or glass fibers.
Textile Cutting Machine Setters, Operators, and Tenders
Set up, operate, or tend machines that cut textiles.
Textile Knitting and Weaving Machine Setters, Operators, and Tenders
Set up, operate, or tend machines that knit, loop, weave, or draw in textiles.
Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders
Set up, operate, or tend machines that wind or twist textiles; or draw out and combine sliver, such as wool, hemp, or synthetic fibers.
Textile, Apparel, and Furnishings Workers, All Other
All textile, apparel, and furnishings workers not listed separately.
Therapists, All Other
All therapists not listed separately.

Tile and Marble Setters

Apply hard tile, marble, and wood tile to walls, floors, ceilings, and roof decks.

Timing Device Assemblers and Adjusters

Perform precision assembling, adjusting, or calibrating, within narrow tolerances, of timing devices such as digital clocks or timers.

Tire Builders

Operate machines to build tires.

Tire Repairers and Changers

Repair and replace tires.

Title Examiners, Abstractors, and Searchers

Search real estate records, examine titles, or summarize pertinent legal or insurance documents or details for a variety of purposes.

Tool and Die Makers

Analyze specifications, lay out metal stock, set up and operate machine tools, and fit and assemble parts to make and repair dies and tools.

Tool Grinders, Filers, and Sharpeners

Perform precision smoothing, sharpening, polishing, or grinding of metal objects.

Tour Guides and Escorts

Escort individuals or groups on sightseeing tours or through places of interest, such as industrial establishments, public buildings, or parks.

Traffic Technicians

Conduct field studies to determine traffic volume, speed, effectiveness of signals, adequacy of lighting, and other factors influencing traffic flow.

Training and Development Managers

Plan, direct, or coordinate the training and development activities and staff of an organization.

Training and Development Specialists
Design and conduct training and development programs to improve individual and organizational performance. May analyze t
Transit and Railroad Police
Protect and police railroad and transit property, employees, or passengers.
Transportation Attendants, Except Flight Attendants
Provide services to ensure the safety and comfort of passengers aboard ships, buses, trains, or within the station or terminal.
Transportation Engineers
Develop plans for surface transportation projects, according to established engineering standards and state or federal constru
Transportation Inspectors
Inspect equipment or goods in connection with the safe transport of cargo or people. Includes rail transportation inspectors, r
Transportation Managers
Plan, direct, or coordinate the transportation operations within an organization or the activities of organizations that provide
Transportation Planners
Prepare studies for proposed transportation projects. Gather, compile, and analyze data. Study the use and operation of trans
Transportation Security Screeners
Conduct screening of passengers, baggage, or cargo to ensure compliance with Transportation Security Administration (TSA) r
Transportation Vehicle, Equipment and Systems Inspectors, Except Aviation
Inspect and monitor transportation equipment, vehicles, or systems to ensure compliance with regulations and safety standa
Transportation Workers, All Other
All transportation workers not listed separately.

Transportation, Storage, and Distribution Managers
Plan, direct, or coordinate transportation, storage, or distribution activities in accordance with organizational policies and app
Travel Agents
Plan and sell transportation and accommodations for travel agency customers. Determine destination, modes of transportation
Travel Guides
Plan, organize, and conduct long distance travel, tours, and expeditions for individuals and groups.
Treasurers and Controllers
Direct financial activities, such as planning, procurement, and investments for all or part of an organization.
Tree Trimmers and Pruners
Using sophisticated climbing and rigging techniques, cut away dead or excess branches from trees or shrubs to maintain right
Tutors
Provide non-classroom, academic instruction to students on an individual or small-group basis for proactive or remedial purpo
Umpires, Referees, and Other Sports Officials
Officiate at competitive athletic or sporting events. Detect infractions of rules and decide penalties according to established r
Upholsterers
Make, repair, or replace upholstery for household furniture or transportation vehicles.
Urban and Regional Planners
Develop comprehensive plans and programs for use of land and physical facilities of jurisdictions, such as towns, cities, counti
Urologists
Diagnose, treat, and help prevent benign and malignant medical and surgical disorders of the genitourinary system and the re

Ushers, Lobby Attendants, and Ticket Takers
Assist patrons at entertainment events by performing duties, such as collecting admission tickets and passes from patrons, as
Validation Engineers
Design or plan protocols for equipment or processes to produce products meeting internal and external purity, safety, and qu
Veterinarians
Diagnose, treat, or research diseases and injuries of animals. Includes veterinarians who conduct research and development,
Veterinary Assistants and Laboratory Animal Caretakers
Feed, water, and examine pets and other nonfarm animals for signs of illness, disease, or injury in laboratories and animal hos
Veterinary Technologists and Technicians
Perform medical tests in a laboratory environment for use in the treatment and diagnosis of diseases in animals. Prepare vaco
Video Game Designers
Design core features of video games. Specify innovative game and role-play mechanics, story lines, and character biographies
Vocational Education Teachers, Postsecondary
Teach or instruct vocational or occupational subjects at the postsecondary level (but at less than the baccalaureate) to studen
Waiters and Waitresses
Take orders and serve food and beverages to patrons at tables in dining establishment.
Watch Repairers
Repair, clean, and adjust mechanisms of timing instruments, such as watches and clocks. Includes watchmakers, watch techni
Water and Wastewater Treatment Plant and System Operators
Operate or control an entire process or system of machines, often through the use of control boards, to transfer or treat water

Water Resource Specialists
Design or implement programs and strategies related to water resource issues such as supply, quality, and regulatory compliance.
Water/Wastewater Engineers
Design or oversee projects involving provision of potable water, disposal of wastewater and sewage, or prevention of flood-re
Weatherization Installers and Technicians
Perform a variety of activities to weatherize homes and make them more energy efficient. Duties include repairing windows, r
Web Administrators
Manage web environment design, deployment, development and maintenance activities. Perform testing and quality assurance
Web Developers
Design, create, and modify Web sites. Analyze user needs to implement Web site content, graphics, performance, and capacity
Weighers, Measurers, Checkers, and Samplers, Recordkeeping
Weigh, measure, and check materials, supplies, and equipment for the purpose of keeping relevant records. Duties are prima
Welders, Cutters, and Welder Fitters
Use hand-welding or flame-cutting equipment to weld or join metal components or to fill holes, indentations, or seams of fab
Welders, Cutters, Solderers, and Brazers
Use hand-welding, flame-cutting, hand soldering, or brazing equipment to weld or join metal components or to fill holes, ind
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders
Set up, operate, or tend welding, soldering, or brazing machines or robots that weld, braze, solder, or heat treat metal produc
Wellhead Pumpers
Operate power pumps and auxiliary equipment to produce flow of oil or gas from wells in oil field.

Wholesale and Retail Buyers, Except Farm Products
Buy merchandise or commodities, other than farm products, for resale to consumers at the wholesale or retail level, including
Wind Energy Engineers
Design underground or overhead wind farm collector systems and prepare and develop site specifications.
Wind Energy Operations Managers
Manage wind field operations, including personnel, maintenance activities, financial activities, and planning.
Wind Energy Project Managers
Lead or manage the development and evaluation of potential wind energy business opportunities, including environmental st
Wind Turbine Service Technicians
Inspect, diagnose, adjust, or repair wind turbines. Perform maintenance on wind turbine equipment including resolving elect
Woodworkers, All Other
All woodworkers not listed separately.
Woodworking Machine Setters, Operators, and Tenders, Except Sawing
Set up, operate, or tend woodworking machines, such as drill presses, lathes, shapers, routers, sanders, planers, and wood na
Word Processors and Typists
Use word processor, computer or typewriter to type letters, reports, forms, or other material from rough draft, corrected cop
Writers and Authors
Originate and prepare written material, such as scripts, stories, advertisements, and other material.
Zoologists and Wildlife Biologists
Study the origins, behavior, diseases, genetics, and life processes of animals and wildlife. May specialize in wildlife research an

