Career Cluster	Career Pathway	Code	**Occupation**	Description
Agriculture, Food & Natural Resources	Agribusiness Systems	13-1021.00	Buyers and Purchasing Agents, Farm	Purchase farm products either for further processing or resale. Includes tree farm contractors, grain brokers and market operators, grain buyers, and tobacco buyers. May negotiate contracts.
Agriculture, Food & Natural Resources	Agribusiness Systems	13-1074.00	Farm Labor Contractors	Recruit and hire seasonal or temporary agricultural laborers. May transport, house, and provide meals for workers.
Agriculture, Food & Natural Resources	Agribusiness Systems	11-9013.00	Farmers, Ranchers, and Other Agricul	Plan, direct, or coordinate the management or operation of farms, ranches, greenhouses, aquacultural operations, nurseries, timber tracts, or other agricultural establishments. May hire, train, and supervise farm workers or contract for services to carry out the day-to-day activities of the managed operation. May engage in or supervise p
Agriculture, Food & Natural Resources	Animal Systems	45-2021.00	Animal Breeders	Select and breed animals according to their genealogy, characteristics, and offspring. May require knowledge of artificial insemination techniques and equipment use. May involve keeping records on heats, birth intervals, or pedigree.
Agriculture, Food & Natural Resources	Animal Systems	39-2021.00	Animal Caretakers	Feed, water, groom, bathe, exercise, or otherwise provide care to promote and maintain the well-being of pets and other animals that are not raised for consumption, such as dogs, cats, race horses, ornamental fish or birds, zoo animals, and mice. Work in settings such as kennels, animal shelters, zoos, circuses, and aquariums. May kee
Agriculture, Food & Natural Resources	Animal Systems	19-1011.00	Animal Scientists	Conduct research in the genetics, nutrition, reproduction, growth, and development of domestic farm animals.
Agriculture, Food & Natural Resources	Animal Systems	45-2093.00	Farmworkers, Farm, Ranch, and Aqua	Attend to live farm, ranch, open range or aquacultural animals that may include cattle, sheep, swine, goats, horses and other equines, poultry, rabbits, finfish, shellfish, and bees. Attend to animals produced for animal products, such as meat, fur, skins, feathers, eggs, milk, and honey. Duties may include feeding, watering, herding, graz
Agriculture, Food & Natural Resources	Environmental Service Systems	17-3025.00	Environmental Engineering Technolo	Apply theory and principles of environmental engineering to modify, test, and operate equipment and devices used in the prevention, control, and remediation of environmental problems, including waste treatment and site remediation, under the direction of engineering staff or scientists. May assist in the development of environmenta
Agriculture, Food & Natural Resources	Environmental Service Systems	17-2081.00	Environmental Engineers	Research, design, plan, or perform engineering duties in the prevention, control, and remediation of environmental hazards using various engineering disciplines. Work may include waste treatment, site remediation, or pollution control technology.
Agriculture, Food & Natural Resources	Environmental Service Systems	19-4042.00	Environmental Science and Protectior	Perform laboratory and field tests to monitor the environment and investigate sources of pollution, including those that affect health, under the direction of an environmental scientist, engineer, or other specialist. May collect samples of gases, soil, water, and other materials for testing.
Agriculture, Food & Natural Resources	Environmental Service Systems	47-4041.00	Hazardous Materials Removal Worke	Identify, remove, pack, transport, or dispose of hazardous materials, including asbestos, lead-based paint, waste oil, fuel, transmission fluid, radioactive materials, or contaminated soil. Specialized training and certification in hazardous materials handling or a confined entry permit are generally required. May operate earth-moving equ
Agriculture, Food & Natural Resources	Environmental Service Systems	37-2021.00	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 surrounding areas.
Agriculture, Food & Natural Resources	Environmental Service Systems	53-7081.00	Refuse and Recyclable Material Colle	Collect and dump refuse or recyclable materials from containers into truck. May drive truck.
Agriculture, Food & Natural Resources	Environmental Service Systems	51-8031.00	Water and Wastewater Treatment Plan	Operate or control an entire process or system of machines, often through the use of control boards, to transfer or treat water or wastewater.
Agriculture, Food & Natural Resources	Environmental Service Systems	17-2051.02	Water/Wastewater Engineers	Design or oversee projects involving provision of potable water, disposal of wastewater and sewage, or prevention of flood-related damage. Prepare environmental documentation for water resources, regulatory program compliance, data management and analysis, and field work. Perform hydraulic modeling and pipeline design.
Agriculture, Food & Natural Resources	Food Products and Processing Systems	19-4012.00	Agricultural Technicians	Work with agricultural scientists in plant, fiber, and animal research, or assist with animal breeding and nutrition. Set up or maintain laboratory equipment and collect samples from crops or animals. Prepare specimens or record data to assist scientists in biology or related life science experiments. Conduct tests and experiments to imp
Agriculture, Food & Natural Resources	Food Products and Processing Systems	45-1011.00	First-Line Supervisors of Farming, Fi	Directly supervise and coordinate the activities of agricultural, forestry, aquacultural, and related workers.
Agriculture, Food & Natural Resources	Food Products and Processing Systems	19-4013.00	Food Science Technicians	Work with food scientists or technologists to perform standardized qualitative and quantitative tests to determine physical or chemical properties of food or beverage products. Includes technicians who assist in research and development of production technology, quality control, packaging, processing, and use of foods.
Agriculture, Food & Natural Resources	Food Products and Processing Systems	19-1012.00	Food Scientists and Technologists	Use chemistry, microbiology, engineering, and other sciences to study the principles underlying the processing and deterioration of foods; analyze food content to determine levels of vitamins, fat, sugar, and protein; discover new food sources; research ways to make processed foods safe, palatable, and healthful; and apply food scienc
Agriculture, Food & Natural Resources	Food Products and Processing Systems	45-2041.00	Graders and Sorters, Agricultural Proc	Grade, sort, or classify unprocessed food and other agricultural products by size, weight, color, or condition.
Agriculture, Food & Natural Resources	Natural Resources Systems	11-9121.01	Clinical Research Coordinators	Plan, direct, or coordinate clinical research projects. Direct the activities of workers engaged in clinical research projects to ensure compliance with protocols and overall clinical objectives. May evaluate and analyze clinical data.
Agriculture, Food & Natural Resources	Natural Resources Systems	45-4021.00	Fallers	Use axes or chainsaws to fell trees using knowledge of tree characteristics and cutting techniques to control direction of fall and minimize tree damage.
Agriculture, Food & Natural Resources	Natural Resources Systems	45-3031.00	Fishing and Hunting Workers	Hunt, trap, catch, or gather wild animals or aquatic animals and plants. May use nets, traps, or other equipment. May haul catch onto ship or other vessel.
Agriculture, Food & Natural Resources	Natural Resources Systems	19-4071.00	Forest and Conservation Technicians	Provide technical assistance regarding the conservation of soil, water, forests, or related natural resources. May compile data pertaining to size, content, condition, and other characteristics of forest tracts under the direction of foresters, or train and lead forest workers in forest propagation and fire prevention and suppression. May assis
Agriculture, Food & Natural Resources	Natural Resources Systems	45-4011.00	Forest and Conservation Workers	Under supervision, perform manual labor necessary to develop, maintain, or protect areas such as forests, forested areas, woodlands, wetlands, and rangelands through such activities as raising and transporting seedlings; combating insects, pests, and diseases harmful to plant life; and building structures to control water, erosion, and le
Agriculture, Food & Natural Resources	Natural Resources Systems	19-1032.00	Foresters	Manage public and private forested lands for economic, recreational, and conservation purposes. May inventory the type, amount, and location of standing timber, appraise the timber's worth, negotiate the purchase, and draw up contracts for procurement. May determine how to conserve wildlife habitats, creek beds, water quality, and
Agriculture, Food & Natural Resources	Natural Resources Systems	19-4043.00	Geological Technicians, Except Hydro	Assist scientists or engineers in the use of electronic, sonic, or nuclear measuring instruments in laboratory, exploration, and production activities to obtain data indicating resources such as metallic ore, minerals, gas, coal, or petroleum. Analyze mud and drill cuttings. Chart pressure, temperature, and other characteristics of wells or bo
Agriculture, Food & Natural Resources; Science, Technology, Engineering &	Natural Resources Systems; Science and	19-4044.00	Hydrologic Technicians	Collect and organize data concerning the distribution and circulation of ground and surface water, and data on its physical, chemical, and biological properties. Measure and report on flow rates and ground water levels, maintain field equipment, collect water samples, install and collect sampling equipment, and process samples for shi
Agriculture, Food & Natural Resources	Natural Resources Systems	45-4023.00	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. Inspect logs for defects or measure logs to determine volume.
Agriculture, Food & Natural Resources	Natural Resources Systems	45-4022.00	Logging Equipment Operators	Drive logging tractor or wheeled vehicle equipped with one or more accessories, such as bulldozer blade, frontal shear, grapple, logging arch, cable winches, hoisting rack, or crane boom, to fell tree; to skid, load, unload, or stack logs; or to pull stumps or clear brush. Includes operating stand-alone logging machines, such as log chipp
Agriculture, Food & Natural Resources	Natural Resources Systems	45-4029.00	Logging Workers, All Other	All logging workers not listed separately.
Agriculture, Food & Natural Resources	Natural Resources Systems	11-9121.00	Natural Sciences Managers	Plan, direct, or coordinate activities in such fields as life sciences, physical sciences, mathematics, statistics, and research and development in these fields.
Agriculture, Food & Natural Resources	Natural Resources Systems	11-9121.02	Water Resource Specialists	
Agriculture, Food & Natural Resources	Natural Resources Systems	19-1023.00	Zoologists and Wildlife Biologists	Study the origins, behavior, diseases, genetics, and life processes of animals and wildlife. May specialize in wildlife research and management. May collect and analyze biological data to determine the environmental effects of present and potential use of land and water habitats.
Agriculture, Food & Natural Resources	Plant Systems	45-2099.00	Agricultural Workers, All Other	All agricultural workers not listed separately.
Agriculture, Food & Natural Resources	Plant Systems	19-4021.00	Biological Technicians	Assist biological and medical scientists. Set up, operate, and maintain laboratory instruments and equipment, monitor experiments, collect data and samples, make observations, and calculate and record results. May analyze organic substances, such as blood, food, and drugs.
Agriculture, Food & Natural Resources	Plant Systems	45-2092.00	Farmworkers and Laborers, Crop, Nu	Manually plant, cultivate, and harvest vegetables, fruits, nuts, horticultural specialties, and field crops. Use hand tools, such as shovels, trowels, hoes, tampers, pruning hooks, shears, and knives. Duties may include tilling soil and applying fertilizers; transplanting, weeding, thinning, or pruning crops; applying pesticides; or cleaning, g
Agriculture, Food & Natural Resources	Plant Systems	37-3012.00	Pesticide Handlers, Sprayers, and App	Mix or apply pesticides, herbicides, fungicides, or insecticides through sprays, dusts, vapors, soil incorporation, or chemical application on trees, shrubs, lawns, or crops. Usually requires specific training and state or federal certification.
Agriculture, Food & Natural Resources	Plant Systems	19-1013.00	Soil and Plant Scientists	Conduct research in breeding, physiology, production, yield, and management of crops and agricultural plants or trees, shrubs, and nursery stock, their growth in soils, and control of pests; or study the chemical, physical, biological, and mineralogical composition of soils as they relate to plant or crop growth. May classify and map soi
Agriculture, Food & Natural Resources	Plant Systems	37-3013.00	Tree Trimmers and Pruners	Using sophisticated climbing and rigging techniques, cut away dead or excess branches from trees or shrubs to maintain right-of-way for roads, sidewalks, or utilities, or to improve appearance, health, and value of tree. Prune or treat trees or shrubs using handsaws, hand pruners, clippers, and power pruners. Works off the ground in th
Agriculture, Food & Natural Resources	Power, Structural & Technical Systems	17-2021.00	Agricultural Engineers	Apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products.
Agriculture, Food & Natural Resources	Power, Structural & Technical Systems	45-2091.00	Agricultural Equipment Operators	Drive and control equipment to support agricultural activities such as tilling soil; planting, cultivating, and harvesting crops; feeding and herding livestock; or removing animal waste. May perform tasks such as crop baling or hay bucking. May operate stationary equipment to perform post-harvest tasks such as husking, shelling, thresl
Agriculture, Food & Natural Resources	Power, Structural & Technical Systems	49-3041.00	Farm Equipment Mechanics and Serv	Diagnose, adjust, repair, or overhaul farm machinery and vehicles, such as tractors, harvesters, dairy equipment, and irrigation systems.
Architecture & Construction	Construction	47-2021.00	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 and other substances, to construct or repair walls, partitions, arches, sewers, and other structures.
Architecture & Construction	Construction	47-2031.00	Carpenters	Construct, erect, install, or repair structures and fixtures made of wood and comparable materials, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; and wood stairways, window and door frames, and hardwood floors. May also install cabinets, siding, drywall, and batt or roll insulation. Inc
Architecture & Construction	Construction	47-2041.00	Carpet Installers	Lay and install carpet from rolls or blocks on floors. Install padding and trim flooring materials.
Architecture & Construction	Construction	47-2051.00	Cement Masons and Concrete Finishe	Smooth and finish surfaces of poured concrete, such as floors, walks, sidewalks, roads, or curbs using a variety of hand and power tools. Align forms for sidewalks, curbs, or gutters; patch voids; and use saws to cut expansion joints.
Architecture & Construction	Construction	47-2061.00	Construction Laborers	Perform tasks involving physical labor at construction sites. May operate hand and power tools of all types: air hammers, earth tampers, cement mixers, small mechanical hoists, surveying and measuring equipment, and a variety of other equipment and instruments. May clean and prepare sites, dig trenches, set braces to support the si
Architecture & Construction	Construction	11-9021.00	Construction Managers	Plan, direct, or coordinate, usually through subordinate supervisory personnel, activities concerned with the construction and maintenance of structures, facilities, and systems. Participate in the conceptual development of a construction project and oversee its organization, scheduling, budgeting, and implementation. Includes manager
Architecture & Construction	Construction	47-5041.00	Continuous Mining Machine Operator	Operate self-propelled mining machines that rip coal, metal and nonmetal ores, rock, stone, or sand from the mine face and load it onto conveyors, shuttle cars, or trucks in a continuous operation.
Architecture & Construction	Construction	53-7011.00	Conveyor Operators and Tenders	Control or tend conveyors or conveyor systems that move materials or products to and from stockpiles, processing stations, departments, or vehicles. May control speed and routing of materials or products.
Architecture & Construction	Construction	53-7021.00	Crane and Tower Operators	Operate mechanical boom and cable or tower and cable equipment to lift and move materials, machines, or products in many directions.
Architecture & Construction	Construction	47-5011.00	Derrick Operators, Oil and Gas	Rig derrick equipment and operate pumps to circulate mud or fluid through drill hole.
Architecture & Construction	Construction	53-7031.00	Dredge Operators	Operate dredge to remove sand, gravel, or other materials in order to excavate and maintain navigable channels in waterways.
Architecture & Construction	Construction	47-2081.00	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, or sheets of shock-absorbing materials to ceilings and walls of buildings to reduce or reflect sound. Materials may be of decorative quality. Includes lathers who fasten wooden, metal, or rockboard lath to wa
Architecture & Construction	Construction	47-5023.00	Earth Drillers, Except Oil and Gas	Operate a variety of drills such as rotary, churn, and pneumatic to tap subsurface water and salt deposits, to remove core samples during mineral exploration or soil testing, and to facilitate the use of explosives in mining or construction. Includes horizontal and earth boring machine operators.
Architecture & Construction	Construction	47-2111.00	Electricians	Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that work is in accordance with relevant codes. May install or service street lights, intercom systems, or electrical control systems.
Architecture & Construction	Construction	47-5022.00	Excavating and Loading Machine and	Operate or tend machinery at surface mining site, equipped with scoops, shovels, or buckets to excavate and load loose materials.
Architecture & Construction	Construction	47-5032.00	Explosives Workers, Ordnance Handl	Place and detonate explosives to demolish structures or to loosen, remove, or displace earth, rock, or other materials. May perform specialized handling, storage, and accounting procedures.
Architecture & Construction	Construction	47-5099.00	Extraction Workers, All Other	All extraction workers not listed separately.
Architecture & Construction	Construction	47-4031.00	Fence Erectors	Erect and repair fences and fence gates, using hand and power tools.
Architecture & Construction	Construction	47-1011.00	First-Line Supervisors of Construction	Directly supervise and coordinate activities of construction or extraction workers.
Architecture & Construction	Construction	47-2042.00	Floor Layers, Except Carpet, Wood, a	Apply blocks, strips, or sheets of shock-absorbing, sound-deadening, or decorative coverings to floors.
Architecture & Construction	Construction	47-2043.00	Floor Sanders and Finishers	Scrape and sand wooden floors to smooth surfaces using floor scraper and floor sanding machine, and apply coats of finish.
Architecture & Construction	Construction	47-2121.00	Glaziers	Install glass in windows, skylights, store fronts, and display cases, or on surfaces, such as building fronts, interior walls, ceilings, and tabletops.
Architecture & Construction	Construction	47-3019.00	Helpers, Construction Trades, All Oth	All construction trades helpers not listed separately.
Architecture & Construction	Construction	47-3011.00	Helpers--Brickmasons, Blockmasons,	Help brickmasons, blockmasons, stonemasons, or tile and marble setters by performing duties requiring less skill. Duties include using, supplying, or holding materials or tools, and cleaning work area and equipment.
Architecture & Construction	Construction	47-3012.00	Helpers--Carpenters	Help carpenters by performing duties requiring less skill. Duties include using, supplying, or holding materials or tools, and cleaning work area and equipment.
Architecture & Construction	Construction	47-3013.00	Helpers--Electricians	Help electricians by performing duties requiring less skill. Duties include using, supplying, or holding materials or tools, and cleaning work area and equipment.
Architecture & Construction	Construction	47-5081.00	Helpers--Extraction Workers	Help extraction craft workers, such as earth drillers, blasters and explosives workers, derrick operators, and mining machine operators, by performing duties requiring less skill. Duties include supplying equipment or cleaning work area.
Architecture & Construction	Construction	47-3014.00	Helpers--Painters, Paperhangers, Plas	Help painters, paperhangers, plasterers, or stucco masons by performing duties requiring less skill. Duties include using, supplying, or holding materials or tools, and cleaning work area and equipment.
Architecture & Construction	Construction	47-3015.00	Helpers--Pipelayers, Plumbers, Pipefi	Help plumbers, pipefitters, steamfitters, or pipelayers by performing duties requiring less skill. Duties include using, supplying, or holding materials or tools, and cleaning work area and equipment.
Architecture & Construction	Construction	47-3016.00	Helpers--Roofers	Help roofers by performing duties requiring less skill. Duties include using, supplying, or holding materials or tools, and cleaning work area and equipment.
Architecture & Construction	Construction	53-7041.00	Hoist and Winch Operators	Operate or tend hoists or winches to lift and pull loads using power-operated cable equipment.
Architecture & Construction	Construction	47-2131.00	Insulation Workers, Floor, Ceiling, an	Line and cover structures with insulating materials. May work with batt, roll, or blown insulation materials.
Architecture & Construction	Construction	47-2132.00	Insulation Workers, Mechanical	Apply insulating materials to pipes or ductwork, or other mechanical systems in order to help control and maintain temperature.
Architecture & Construction; Transportation, Distribution & Logistics	Construction; Transportation Operations	47-5044.00	Loading and Moving Machine Operat	Operate underground loading or moving machine to load or move coal, ore, or rock using shuttle or mine car or conveyors. Equipment may include power shovels, hoisting engines equipped with cable-drawn scraper or scoop, or machines equipped with gathering arms and conveyor.
Architecture & Construction	Construction	49-9095.00	Manufactured Building and Mobile H	Move or install mobile homes or prefabricated buildings.
Architecture & Construction; Transportation, Distribution & Logistics	Construction; Transportation Operations	53-7199.00	Material Moving Workers, All Other	All material moving workers not listed separately.
Architecture & Construction	Construction	47-2073.00	Operating Engineers and Other Const	Operate one or several types of power construction equipment, such as motor graders, bulldozers, scrapers, compressors, pumps, derricks, shovels, tractors, or front-end loaders to excavate, move, and grade earth, erect structures, or pour concrete or other hard surface pavement. May repair and maintain equipment in addition to other
Architecture & Construction	Construction	47-2141.00	Painters, Construction and Maintenan	Paint walls, equipment, buildings, bridges, and other structural surfaces, using brushes, rollers, and spray guns. May remove old paint to prepare surface prior to painting. May mix colors or oils to obtain desired color or consistency.
Architecture & Construction	Construction	47-2142.00	Paperhangers	Cover interior walls or ceilings of rooms with decorative wallpaper or fabric, or attach advertising posters on surfaces such as walls and billboards. May remove old materials or prepare surfaces to be papered.
Architecture & Construction	Construction	47-2071.00	Paving, Surfacing, and Tamping Equi	Operate equipment used for applying concrete, asphalt, or other materials to road beds, parking lots, or airport runways and taxiways or for tamping gravel, dirt, or other materials. Includes concrete and asphalt paving machine operators, form tampers, tamping machine operators, and stone spreader operators.
Architecture & Construction	Construction	47-2072.00	Pile Driver Operators	Operate pile drivers mounted on skids, barges, crawler treads, or locomotive cranes to drive pilings for retaining walls, bulkheads, and foundations of structures such as buildings, bridges, and piers.
Architecture & Construction	Construction	47-2151.00	Pipelayers	Lay pipe for storm or sanitation sewers, drains, and water mains. Perform any combination of the following tasks: grade trenches or culverts, position pipe, or seal joints.
Architecture & Construction	Construction	47-2161.00	Plasterers and Stucco Masons	Apply interior or exterior plaster, cement, stucco, or similar materials. May also set ornamental plaster.
Architecture & Construction	Construction	47-2152.00	Plumbers, Pipefitters, and Steamfitter	Assemble, install, alter, and repair pipelines or pipe systems that carry water, steam, air, or other liquids or gases. May install heating and cooling equipment and mechanical control systems. Includes sprinkler fitters.
Architecture & Construction	Construction	47-2171.00	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-bending machines, blowtorches, and hand tools. Includes rod busters.
Architecture & Construction	Construction	49-9096.00	Riggers	Set up or repair rigging for construction projects, manufacturing plants, logging yards, ships and shipyards, or for the entertainment industry.
Architecture & Construction	Construction	47-5051.00	Rock Splitters, Quarry	Separate blocks of rough dimension stone from quarry mass using jackhammers, wedges, or chop saws.
Architecture & Construction	Construction	47-5043.00	Roof Bolters, Mining	Operate machinery to install roof support bolts in underground mine.
Architecture & Construction	Construction	47-2181.00	Roofers	Cover roofs of structures with shingles, slate, asphalt, aluminum, wood, or related materials. May spray roofs, sidings, and walls with material to bind, seal, insulate, or soundproof sections of structures.
Architecture & Construction	Construction	47-5012.00	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 exploration.
Architecture & Construction	Construction	47-5071.00	Roustabouts, Oil and Gas	Assemble or repair oil field equipment using hand and power tools. Perform other tasks as needed.
Architecture & Construction	Construction	47-4091.00	Segmental Pavers	Lay out, cut, and place segmental paving units. Includes installers of bedding and restraining materials for the paving units.
Architecture & Construction	Construction	47-5013.00	Service Unit Operators, Oil and Gas	Operate equipment to increase oil flow from producing wells or to remove stuck pipe, casing, tools, or other obstructions from drilling wells. Includes fishing-tool technicians.
Architecture & Construction	Construction	47-2211.00	Sheet Metal Workers	Fabricate, assemble, install, and repair sheet metal products and equipment, such as ducts, control boxes, drainpipes, and furnace casings. Work may involve any of the following: setting up and operating fabricating machines to cut, bend, and straighten sheet metal; shaping metal over anvils, blocks, or forms using hammer; operating
Architecture & Construction	Construction	47-1011.03	Solar Energy Installation Managers	Direct work crews installing residential or commercial solar photovoltaic or thermal systems.
Architecture & Construction	Construction	47-2231.00	Solar Photovoltaic Installers	Assemble, install, or maintain solar photovoltaic (PV) systems on roofs or other structures in compliance with site assessment and schematics. May include measuring, cutting, assembling, and bolting structural framing and solar modules. May perform minor electrical work such as current checks.
Architecture & Construction	Construction	47-2022.00	Stonemasons	Build stone structures, such as piers, walls, and abutments. Lay walks, curbstones, or special types of masonry for vats, tanks, and floors.
Architecture & Construction	Construction	47-2221.00	Structural Iron and Steel Workers	Raise, place, and unite iron or steel girders, columns, and other structural members to form completed structures or structural frameworks. May erect metal storage tanks and assemble prefabricated metal buildings.
Architecture & Construction	Construction	51-2041.00	Structural Metal Fabricators and Fitte	Fabricate, position, align, and fit parts of structural metal products.
Architecture & Construction	Construction	47-2082.00	Tapers	Seal joints between plasterboard or other wallboard to prepare wall surface for painting or papering.
Architecture & Construction	Construction	47-2053.00	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.
Architecture & Construction	Construction	47-2044.00	Tile and Stone Setters	Apply hard tile, stone, and comparable materials to walls, floors, ceilings, countertops, and roof decks.
Architecture & Construction	Construction	47-5049.00	Underground Mining Machine Operat	All underground mining machine operators not listed separately.
Architecture & Construction	Design/Pre-Construction	17-1011.00	Architects, Except Landscape and Na	Plan and design structures, such as private residences, office buildings, theaters, factories, and other structural property.
Architecture & Construction	Design/Pre-Construction	17-3011.00	Architectural and Civil Drafters	Prepare detailed drawings of architectural and structural features of buildings or drawings and topographical relief maps used in civil engineering projects, such as highways, bridges, and public works. Use knowledge of building materials, engineering practices, and mathematics to complete drawings.
Architecture & Construction	Design/Pre-Construction	17-3022.00	Civil Engineering Technologists and T	Apply theory and principles of civil engineering in planning, designing, and overseeing construction and maintenance of structures and facilities under the direction of engineering staff or physical scientists.
Architecture & Construction	Design/Pre-Construction	17-2051.00	Civil Engineers	Perform engineering duties in planning, designing, and overseeing construction and maintenance of building structures and facilities, such as roads, railroads, airports, bridges, harbors, channels, dams, irrigation projects, pipelines, power plants, and water and sewage systems.
Architecture & Construction	Design/Pre-Construction	13-1051.00	Cost Estimators	Prepare cost estimates for product manufacturing, construction projects, or services to aid management in bidding on or determining price of product or service. May specialize according to particular service performed or type of product manufactured.
Architecture & Construction	Design/Pre-Construction	17-1022.01	Geodetic Surveyors	Measure large areas of the Earth's surface using satellite observations, global navigation satellite systems (GNSS), light detection and ranging (LIDAR), or related sources.
Architecture & Construction	Design/Pre-Construction	27-1025.00	Interior Designers	Plan, design, and furnish the internal space of rooms or buildings. Design interior environments or create physical layouts that are practical, aesthetic, and conducive to the intended purposes. May specialize in a particular field, style, or phase of interior design.
Architecture & Construction	Design/Pre-Construction	17-1012.00	Landscape Architects	Plan and design land areas for projects such as parks and other recreational facilities, airports, highways, hospitals, schools, land subdivisions, and commercial, industrial, and residential sites.
Architecture & Construction	Design/Pre-Construction	17-3031.00	Surveying and Mapping Technicians	Perform surveying and mapping duties, usually under the direction of an engineer, surveyor, cartographer, or photogrammetrist, to obtain data used for construction, mapmaking, boundary location, mining, or other purposes. May calculate mapmaking information and create maps from source data, such as surveying notes, aerial photo
Architecture & Construction	Design/Pre-Construction	17-1022.00	Surveyors	Make exact measurements and determine property boundaries. Provide data relevant to the shape, contour, gravitation, location, elevation, or dimension of land or land features on or near the earth's surface for engineering, mapmaking, mining, land evaluation, construction, and other purposes.
Architecture & Construction	Design/Pre-Construction	17-2051.01	Transportation Engineers	Develop plans for surface transportation projects, according to established engineering standards and state or federal construction policy. Prepare designs, specifications, or estimates for transportation facilities. Plan modifications of existing streets, highways, or freeways to improve traffic flow.
Architecture & Construction	Maintenance/Operations	47-2011.00	Boilermakers	Construct, assemble, maintain, and repair stationary steam boilers and boiler house auxiliaries. Align structures or plate sections to assemble boiler frame tanks or vats, following blueprints. Work involves use of hand and power tools, plumb bobs, levels, wedges, dogs, or turnbuckles. Assist in testing assembled vessels. Direct cleaning
Architecture & Construction	Maintenance/Operations	49-9092.00	Commercial Divers	Work below surface of water, using surface-supplied air or scuba equipment to inspect, repair, remove, or install equipment and structures. May use a variety of power and hand tools, such as drills, sledgehammers, torches, and welding equipment. May conduct tests or experiments, rig explosives, or photograph structures or marine lif
Architecture & Construction	Maintenance/Operations	47-4099.00	Construction and Related Workers, Al	All construction and related workers not listed separately.
Architecture & Construction	Maintenance/Operations	49-9012.00	Control and Valve Installers and Repa	Install, repair, and maintain mechanical regulating and controlling devices, such as electric meters, gas regulators, thermostats, safety and flow valves, and other mechanical governors.
Architecture & Construction	Maintenance/Operations	49-9051.00	Electrical Power-Line Installers and R	Install or repair cables or wires used in electrical power or distribution systems. May erect poles and light or heavy duty transmission towers.
Architecture & Construction	Maintenance/Operations	47-4021.00	Elevator and Escalator Installers and I	Assemble, install, repair, or maintain electric or hydraulic freight or passenger elevators, escalators, or dumbwaiters.
Architecture & Construction	Maintenance/Operations	37-1012.00	First-Line Supervisors of Landscaping	Directly supervise and coordinate activities of workers engaged in landscaping or groundskeeping activities. Work may involve reviewing contracts to ascertain service, machine, and workforce requirements; answering inquiries from potential customers regarding methods, material, and price ranges; and preparing estimates according
Architecture & Construction	Maintenance/Operations	37-3019.00	Grounds Maintenance Workers, All O	All grounds maintenance workers not listed separately.
Architecture & Construction	Maintenance/Operations	49-9021.00	Heating, Air Conditioning, and Refrig	Install or repair heating, central air conditioning, HVAC, or refrigeration systems, including oil burners, hot-air furnaces, and heating stoves.
Architecture & Construction	Maintenance/Operations	49-9098.00	Helpers--Installation, Maintenance, ar	Help installation, maintenance, and repair workers in maintenance, parts replacement, and repair of vehicles, industrial machinery, and electrical and electronic equipment. Perform duties such as furnishing tools, materials, and supplies to other workers; cleaning work area, machines, and tools; and holding materials or tools for other w
Architecture & Construction	Maintenance/Operations	47-4051.00	Highway Maintenance Workers	Maintain highways, municipal and rural roads, airport runways, and rights-of-way. Duties include patching broken or eroded pavement and repairing guard rails, highway markers, and snow fences. May also mow or clear brush from along road, or plow snow from roadway.
Architecture & Construction	Maintenance/Operations	37-3011.00	Landscaping and Groundskeeping Wo	Landscape or maintain grounds of property using hand or power tools or equipment. Workers typically perform a variety of tasks, which may include any combination of the following: sod laying, mowing, trimming, planting, watering, fertilizing, digging, raking, sprinkler installation, and installation of mortarless segmental concrete
Architecture & Construction	Maintenance/Operations	49-9011.00	Mechanical Door Repairers	Install, service, or repair automatic door mechanisms and hydraulic doors. Includes garage door mechanics.
Architecture & Construction	Maintenance/Operations	49-9044.00	Millwrights	Install, dismantle, or move machinery and heavy equipment according to layout plans, blueprints, or other drawings.
Architecture & Construction	Maintenance/Operations	49-9045.00	Refractory Materials Repairers, Excep	Build or repair equipment such as furnaces, kilns, cupolas, boilers, converters, ladles, soaking pits, and ovens, using refractory materials.
Architecture & Construction	Maintenance/Operations	47-4071.00	Septic Tank Servicers and Sewer Pipe	Clean and repair septic tanks, sewer lines, or drains. May patch walls and partitions of tank, replace damaged drain tile, or repair breaks in underground piping.
Architecture & Construction	Maintenance/Operations	47-2152.04	Solar Thermal Installers and Technicia	Install or repair solar energy systems designed to collect, store, and circulate solar-heated water for residential, commercial or industrial use.
Architecture & Construction	Maintenance/Operations	51-8021.00	Stationary Engineers and Boiler Opera	Operate or maintain stationary engines, boilers, or other mechanical equipment to provide utilities for buildings or industrial processes. Operate equipment such as steam engines, generators, motors, turbines, and steam boilers.
Architecture & Construction	Maintenance/Operations	47-4099.03	Weatherization Installers and Technici	Perform a variety of activities to weatherize homes and make them more energy efficient. Duties include repairing windows, insulating ducts, and performing heating, ventilating, and air-conditioning (HVAC) work. May perform energy audits and advise clients on energy conservation measures.
Arts, Audio/Video Technology & Communications	Journalism and Broadcasting	27-4011.00	Audio and Video Technicians	Set up, maintain, and dismantle audio and video equipment, such as microphones, sound speakers, connecting wires and cables, sound and mixing boards, video cameras, video monitors and servers, and related electronic equipment for live or recorded events, such as concerts, meetings, conventions, presentations, podcasts, news con
Arts, Audio/Video Technology & Communications	Journalism and Broadcasting	27-3011.00	Broadcast Announcers and Radio Disc	Speak or read from scripted materials, such as news reports or commercial messages, on radio, television, or other communications media. May play and queue music, announce artist or title of performance, identify station, or interview guests.
Arts, Audio/Video Technology & Communications	Journalism and Broadcasting	27-4012.00	Broadcast Technicians	Set up, operate, and maintain the electronic equipment used to acquire, edit, and transmit audio and video for radio or television programs. Control and adjust incoming and outgoing broadcast signals to regulate sound volume, signal strength, and signal clarity. Operate satellite, microwave, or other transmitter equipment to broadcast r
Arts, Audio/Video Technology & Communications	Journalism and Broadcasting	27-4031.00	Camera Operators, Television, Video,	Operate television, video, or film camera to record images or scenes for television, video, or film productions.
Arts, Audio/Video Technology & Communications; Business Management &	Journalism and Broadcasting; Administra	43-2099.00	Communications Equipment Operator	All communications equipment operators not listed separately.
Arts, Audio/Video Technology & Communications	Journalism and Broadcasting	27-3041.00	Editors	Plan, coordinate, revise, or edit written material. May review proposals and drafts for possible publication.
Arts, Audio/Video Technology & Communications	Journalism and Broadcasting	27-4032.00	Film and Video Editors	Edit moving images on film, video, or other media. May work with a producer or director to organize images for final production. May edit or synchronize soundtracks with images.
Arts, Audio/Video Technology & Communications	Journalism and Broadcasting	27-4015.00	Lighting Technicians	Set up, maintain, and dismantle light fixtures, lighting control devices, and the associated lighting electrical and rigging equipment used for photography, television, film, video, and live productions. May focus or operate light fixtures, or attach color filters or other lighting accessories.
Arts, Audio/Video Technology & Communications	Journalism and Broadcasting	27-4099.00	Media and Communication Equipmen	All media and communication equipment workers not listed separately.
Arts, Audio/Video Technology & Communications	Journalism and Broadcasting	27-3023.00	News Analysts, Reporters, and Journa	Narrate or write news stories, reviews, or commentary for print, broadcast, or other communications media such as newspapers, magazines, radio, or television. May collect and analyze information through interview, investigation, or observation.
Arts, Audio/Video Technology & Communications	Journalism and Broadcasting	27-4021.00	Photographers	Photograph people, landscapes, merchandise, or other subjects. May use lighting equipment to enhance a subject's appearance. May use editing software to produce finished images and prints. Includes commercial and industrial photographers, scientific photographers, and photojournalists.
Arts, Audio/Video Technology & Communications	Journalism and Broadcasting	27-3043.05	Poets, Lyricists and Creative Writers	Create original written works, such as scripts, essays, prose, poetry or song lyrics, for publication or performance.
Arts, Audio/Video Technology & Communications	Journalism and Broadcasting	27-4014.00	Sound Engineering Technicians	Assemble and operate equipment to record, synchronize, mix, edit, or reproduce sound, including music, voices, or sound effects, for theater, video, film, television, podcasts, sporting events, and other productions.
Arts, Audio/Video Technology & Communications	Journalism and Broadcasting	27-3042.00	Technical Writers	Write technical materials, such as equipment manuals, appendices, or operating and maintenance instructions. May assist in layout work.
Arts, Audio/Video Technology & Communications	Journalism and Broadcasting	27-3043.00	Writers and Authors	Originate and prepare written material, such as scripts, stories, advertisements, and other material.
Arts, Audio/Video Technology & Communications	Performing Arts	27-2011.00	Actors	Play parts in stage, television, radio, video, or film productions, or other settings for entertainment, information, or instruction. Interpret serious or comic role by speech, gesture, and body movement to entertain or inform audience. May dance and sing.
Arts, Audio/Video Technology & Communications	Performing Arts	13-1011.00	Agents and Business Managers of Art	Represent and promote artists, performers, and athletes in dealings with current or prospective employers. May handle contract negotiation and other business matters for clients.
Arts, Audio/Video Technology & Communications	Performing Arts	27-2032.00	Choreographers	Create new dance routines. Rehearse performance of routines. May direct and stage presentations.
Arts, Audio/Video Technology & Communications	Performing Arts	39-3092.00	Costume Attendants	Select, fit, and take care of costumes for cast members, and aid entertainers. May assist with multiple costume changes during performances.
Arts, Audio/Video Technology & Communications	Performing Arts	27-2031.00	Dancers	Perform dances. May perform on stage, for broadcasting, or for video recording.
Arts, Audio/Video Technology & Communications	Performing Arts	27-2091.00	Disc Jockeys, Except Radio	Play prerecorded music for live audiences at venues or events such as clubs, parties, or wedding receptions. May use techniques such as mixing, cutting, or sampling to manipulate recordings. May also perform as emcee (master of ceremonies).
Arts, Audio/Video Technology & Communications	Performing Arts	27-2099.00	Entertainers and Performers, Sports ar	All entertainers and performers, sports and related workers not listed separately.
Arts, Audio/Video Technology & Communications	Performing Arts	39-5091.00	Makeup Artists, Theatrical and Perfor	Apply makeup to performers to reflect period, setting, and situation of their role.
Arts, Audio/Video Technology & Communications; Arts, Audio/Video Techno	Performing Arts; Journalism and Broadca	27-3099.00	Media and Communication Workers, /	All media and communication workers not listed separately.
Arts, Audio/Video Technology & Communications	Performing Arts	27-2012.03	Media Programming Directors	Direct and coordinate activities of personnel engaged in preparation of radio or television station program schedules and programs, such as sports or news.
Arts, Audio/Video Technology & Communications	Performing Arts	27-2012.05	Media Technical Directors/Managers	Coordinate activities of technical departments, such as taping, editing, engineering, and maintenance, to produce radio or television programs.
Arts, Audio/Video Technology & Communications	Performing Arts	27-2041.00	Music Directors and Composers	Conduct, direct, plan, and lead instrumental or vocal performances by musical artists or groups, such as orchestras, bands, choirs, and glee clubs; or create original works of music.
Arts, Audio/Video Technology & Communications	Performing Arts	27-2042.00	Musicians and Singers	Play one or more musical instruments or sing. May perform on stage, for broadcasting, or for sound or video recording.
Arts, Audio/Video Technology & Communications	Performing Arts	27-2012.00	Producers and Directors	Produce or direct stage, television, radio, video, or film productions for entertainment, information, or instruction. Responsible for creative decisions, such as interpretation of script, choice of actors or guests, set design, sound, special effects, and choreography.
Arts, Audio/Video Technology & Communications	Performing Arts	27-2012.04	Talent Directors	Audition and interview performers to select most appropriate talent for parts in stage, television, radio, or motion picture productions.
Arts, Audio/Video Technology & Communications	Printing Technology	43-9031.00	Desktop Publishers	Format typescript and graphic elements using computer software to produce publication-ready material.
Arts, Audio/Video Technology & Communications	Printing Technology	51-5111.00	Prepress Technicians and Workers	Format and proof text and images submitted by designers and clients into finished pages that can be printed. Includes digital and photo typesetting. May produce printing plates.
Arts, Audio/Video Technology & Communications	Printing Technology	51-5113.00	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.
Arts, Audio/Video Technology & Communications	Printing Technology	51-5112.00	Printing Press Operators	Set up and operate digital, letterpress, lithographic, flexographic, gravure, or other printing machines. Includes short-run offset printing presses.
Arts, Audio/Video Technology & Communications	Printing Technology	43-9081.00	Proofreaders and Copy Markers	Read transcript or proof type setup to detect and mark for correction any grammatical, typographical, or compositional errors. Excludes workers whose primary duty is editing copy. Includes proofreaders of braille.
Arts, Audio/Video Technology & Communications	Telecommunications	49-2022.00	Telecommunications Equipment Insta	Install, set up, rearrange, or remove switching, distribution, routing, and dialing equipment used in central offices or headends. Service or repair telephone, cable television, Internet, and other communications equipment on customers' property. May install communications equipment or communications wiring in buildings.
Arts, Audio/Video Technology & Communications	Telecommunications	49-9052.00	Telecommunications Line Installers ar	Install and repair telecommunications cable, including fiber optics.
Arts, Audio/Video Technology & Communications	Visual Arts	27-1011.00	Art Directors	Formulate design concepts and presentation approaches for visual productions and media, such as print, broadcasting, video, and film. Direct workers engaged in artwork or layout design.
Arts, Audio/Video Technology & Communications	Visual Arts	27-1019.00	Artists and Related Workers, All Othe	All artists and related workers not listed separately.
Arts, Audio/Video Technology & Communications	Visual Arts	27-1021.00	Commercial and Industrial Designers	Design and develop manufactured products, such as cars, home appliances, and children's toys. Combine artistic talent with research on product use, marketing, and materials to create the most functional and appealing product design.
Arts, Audio/Video Technology & Communications	Visual Arts	27-1012.00	Craft Artists	Create or reproduce handmade objects for sale and exhibition using a variety of techniques, such as welding, weaving, pottery, and needlecraft.
Arts, Audio/Video Technology & Communications	Visual Arts	27-1029.00	Designers, All Other	All designers not listed separately.
Arts, Audio/Video Technology & Communications	Visual Arts	27-1022.00	Fashion Designers	Design clothing and accessories. Create original designs or adapt fashion trends.
Arts, Audio/Video Technology & Communications	Visual Arts	27-1013.00	Fine Artists, Including Painters, Sculp	Create original artwork using any of a wide variety of media and techniques.
Arts, Audio/Video Technology & Communications	Visual Arts	27-1023.00	Floral Designers	Design, cut, and arrange live, dried, or artificial flowers and foliage.
Arts, Audio/Video Technology & Communications	Visual Arts	27-1024.00	Graphic Designers	Design or create graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. May use a variety of mediums to achieve artistic or decorative effects.
Arts, Audio/Video Technology & Communications	Visual Arts	27-1027.00	Set and Exhibit Designers	Design special exhibits and sets for film, video, television, and theater productions. May study scripts, confer with directors, and conduct research to determine appropriate architectural styles.
Arts, Audio/Video Technology & Communications	Visual Arts	27-1014.00	Special Effects Artists and Animators	Create special effects or animations using film, video, computers, or other electronic tools and media for use in products, such as computer games, movies, music videos, and commercials.
Business Management & Administration	Administrative Support	43-3031.00	Bookkeeping, Accounting, and Auditi	Compute, classify, and record numerical data to keep financial records complete. Perform any combination of routine calculating, posting, and verifying duties to obtain primary financial data for use in maintaining accounting records. May also check the accuracy of figures, calculations, and postings pertaining to business transaction
Business Management & Administration; Information Technology	Administrative Support; Information Sup	15-1299.00	Computer Occupations, All Other	All computer occupations not listed separately.
Business Management & Administration	Administrative Support	43-4021.00	Correspondence Clerks	Compose letters or electronic correspondence in reply to requests for merchandise, damage claims, credit and other information, delinquent accounts, incorrect billings, or unsatisfactory services. Duties may include gathering data to formulate reply and preparing correspondence.
Business Management & Administration	Administrative Support	43-4051.00	Customer Service Representatives	Interact with customers to provide basic or scripted information in response to routine inquiries about products and services. May handle and resolve general complaints. Excludes individuals whose duties are primarily installation, sales, repair, and technical support.
Business Management & Administration	Administrative Support	43-9021.00	Data Entry Keyers	Operate data entry device, such as keyboard or photo composing perforator. Duties may include verifying data and preparing materials for printing.
Business Management & Administration	Administrative Support	43-6011.00	Executive Secretaries and Executive A	Provide high-level administrative support by conducting research, preparing statistical reports, and handling information requests, as well as performing routine administrative functions such as preparing correspondence, receiving visitors, arranging conference calls, and scheduling meetings. May also train and supervise lower-level c
Business Management & Administration	Administrative Support	43-4071.00	File Clerks	File correspondence, cards, invoices, receipts, and other records in alphabetical or numerical order or according to the filing system used. Locate and remove material from file when requested.
Business Management & Administration	Administrative Support	43-1011.00	First-Line Supervisors of Office and A	Directly supervise and coordinate the activities of clerical and administrative support workers.
Business Management & Administration	Administrative Support	43-4161.00	Human Resources Assistants, Except	Compile and keep personnel records. Record data for each employee, such as address, weekly earnings, absences, amount of sales or production, supervisory reports, and date of and reason for termination. May prepare reports for employment records, file employment records, or search employee files and furnish information to autho
Business Management & Administration	Administrative Support	43-4199.00	Information and Record Clerks, All O	All information and record clerks not listed separately.
Business Management & Administration	Administrative Support	43-4111.00	Interviewers, Except Eligibility and L	Interview persons by telephone, mail, in person, or by other means for the purpose of completing forms, applications, or questionnaires. Ask specific questions, record answers, and assist persons with completing form. May sort, classify, and file forms.
Business Management & Administration	Administrative Support	43-4121.00	Library Assistants, Clerical	Compile records, and sort, shelve, issue, and receive library materials such as books, electronic media, pictures, cards, slides and microfilm. Locate library materials for loan and replace material in shelving area, stacks, or files according to identification number and title. Register patrons to permit them to borrow books, periodicals, ar
Business Management & Administration	Administrative Support	43-9051.00	Mail Clerks and Mail Machine Operat	Prepare incoming and outgoing mail for distribution. Time-stamp, open, read, sort, and route incoming mail; and address, seal, stamp, fold, stuff, and affix postage to outgoing mail or packages. Duties may also include keeping necessary records and completed forms.
Business Management & Administration	Administrative Support	43-5041.00	Meter Readers, Utilities	Read meter and record consumption of electricity, gas, water, or steam.
Business Management & Administration	Administrative Support	43-4141.00	New Accounts Clerks	Interview persons desiring to open accounts in financial institutions. Explain account services available to prospective customers and assist them in preparing applications.
Business Management & Administration	Administrative Support	43-9199.00	Office and Administrative Support Wo	All office and administrative support workers not listed separately.
Business Management & Administration	Administrative Support	43-9061.00	Office Clerks, General	Perform duties too varied and diverse to be classified in any specific office clerical occupation, requiring knowledge of office systems and procedures. Clerical duties may be assigned in accordance with the office procedures of individual establishments and may include a combination of answering telephones, bookkeeping, typing or
Business Management & Administration	Administrative Support	43-9071.00	Office Machine Operators, Except Co	Operate one or more of a variety of office machines, such as photocopying, photographic, and duplicating machines, or other office machines.
Business Management & Administration	Administrative Support	43-4151.00	Order Clerks	Receive and process incoming orders for materials, merchandise, classified ads, or services such as repairs, installations, or rental of facilities. Generally receives orders via mail, phone, fax, or other electronic means. Duties include informing customers of receipt, prices, shipping dates, and delays; preparing contracts; and handling co
Business Management & Administration	Administrative Support	29-2099.08	Patient Representatives	Assist patients in obtaining services, understanding policies and making health care decisions.
Business Management & Administration	Administrative Support	43-3051.00	Payroll and Timekeeping Clerks	Compile and record employee time and payroll data. May compute employees' time worked, production, and commission. May compute and post wages and deductions, or prepare paychecks.
Business Management & Administration	Administrative Support	43-5051.00	Postal Service Clerks	Perform any combination of tasks in a United States Postal Service (USPS) post office, such as receive letters and parcels; sell postage and revenue stamps, postal cards, and stamped envelopes; fill out and sell money orders; place mail in pigeon holes of mail rack or in bags; and examine mail for correct postage. Includes postal servic
Business Management & Administration	Administrative Support	43-5052.00	Postal Service Mail Carriers	Sort and deliver mail for the United States Postal Service (USPS). Deliver mail on established route by vehicle or on foot. Includes postal service mail carriers employed by USPS contractors.

Business Management & Administration	Administrative Support	43-5053.00	Postal Service Mail Sorters, Processor	Prepare incoming and outgoing mail for distribution for the United States Postal Service (USPS). Examine, sort, and route mail. Load, operate, and occasionally adjust and repair mail processing, sorting, and canceling machinery. Keep records of shipments, pouches, and sacks, and perform other duties related to mail handling within
Business Management & Administration	Administrative Support	43-3061.00	Procurement Clerks	Compile information and records to draw up purchase orders for procurement of materials and services.
Business Management & Administration	Administrative Support	43-4171.00	Receptionists and Information Clerks	Answer inquiries and provide information to the general public, customers, visitors, and other interested parties regarding activities conducted at establishment and location of departments, offices, and employees within the organization.
Business Management & Administration	Administrative Support	43-6014.00	Secretaries and Administrative Assista	Perform routine administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.
Business Management & Administration	Administrative Support	43-5071.00	Shipping, Receiving, and Inventory C	Verify and maintain records on incoming and outgoing shipments involving inventory. Duties include verifying and recording incoming merchandise or material and arranging for the transportation of products. May prepare items for shipment.
Business Management & Administration	Administrative Support	53-7065.00	Stockers and Order Fillers	Receive, store, and issue merchandise, materials, equipment, and other items from stockroom, warehouse, or storage yard to fill shelves, racks, tables, or customers' orders. May operate power equipment to fill orders. May mark prices on merchandise and set up sales displays.
Business Management & Administration	Administrative Support	43-2011.00	Switchboard Operators, Including An	Operate telephone business systems equipment or switchboards to relay incoming, outgoing, and interoffice calls. May supply information to callers and record messages.
Business Management & Administration	Administrative Support	43-2021.00	Telephone Operators	Provide information by accessing alphabetical, geographical, or other directories. Assist customers with special billing requests, such as charges to a third party and credits or refunds for incorrectly dialed numbers or bad connections. May handle emergency calls and assist children or people with physical disabilities to make telephone
Business Management & Administration	Administrative Support	43-9022.00	Word Processors and Typists	Use word processor, computer, or typewriter to type letters, reports, forms, or other material from rough draft, corrected copy, or voice recording. May perform other clerical duties as assigned.
Business Management & Administration	Business Information Management	11-3021.00	Computer and Information Systems M	Plan, direct, or coordinate activities in such fields as electronic data processing, information systems, systems analysis, and computer programming.
Business Management & Administration	General Management	11-9199.11	Brownfield Redevelopment Specialist	Plan and direct cleanup and redevelopment of contaminated properties for reuse. Does not include properties sufficiently contaminated to qualify as Superfund sites.
Business Management & Administration	General Management	11-1011.00	Chief Executives	Determine and formulate policies and provide overall direction of companies or private and public sector organizations within guidelines set up by a board of directors or similar governing body. Plan, direct, or coordinate operational activities at the highest level of management with the help of subordinate executives and staff manage
Business Management & Administration	General Management	11-1011.03	Chief Sustainability Officers	Communicate and coordinate with management, shareholders, customers, and employees to address sustainability issues. Enact or oversee a corporate sustainability strategy.
Business Management & Administration	General Management	11-9199.02	Compliance Managers	Plan, direct, or coordinate activities of an organization to ensure compliance with ethical or regulatory standards.
Business Management & Administration	General Management	11-9072.00	Entertainment and Recreation Manage	Plan, direct, or coordinate entertainment and recreational activities and operations of a recreational facility, including cruise ships and parks.
Business Management & Administration	General Management	11-1021.00	General and Operations Managers	Plan, direct, or coordinate the operations of public or private sector organizations, overseeing multiple departments or locations. Duties and responsibilities include formulating policies, managing daily operations, and planning the use of materials and human resources, but are too diverse and general in nature to be classified in any on
Business Management & Administration	General Management	11-3031.03	Investment Fund Managers	Plan, direct, or coordinate investment strategy or operations for a large pool of liquid assets supplied by institutional investors or individual investors.
Business Management & Administration	General Management	11-9199.08	Loss Prevention Managers	Plan and direct policies, procedures, or systems to prevent the loss of assets. Determine risk exposure or potential liability, and develop risk control measures.
Business Management & Administration	General Management	11-9199.00	Managers, All Other	All managers not listed separately.
Business Management & Administration	General Management	11-9179.00	Personal Service Managers, All Other	All personal service managers not listed separately.
Business Management & Administration; Business Management & Administr	General Management; Operations Manag	13-1082.00	Project Management Specialists	Analyze and coordinate the schedule, timeline, procurement, staffing, and budget of a product or service on a per project basis. Lead and guide the work of technical staff. May serve as a point of contact for the client or customer.
Business Management & Administration	General Management	11-9199.01	Regulatory Affairs Managers	Plan, direct, or coordinate production activities of an organization to ensure compliance with regulations and standard operating procedures.
Business Management & Administration	General Management	11-3013.01	Security Managers	Direct an organization's security functions, including physical security and safety of employees and facilities.
Business Management & Administration	General Management	11-3071.04	Supply Chain Managers	Direct or coordinate production, purchasing, warehousing, distribution, or financial forecasting services or activities to limit costs and improve accuracy, customer service, or safety. Examine existing procedures or opportunities for streamlining activities to meet product distribution needs. Direct the movement, storage, or processing o
Business Management & Administration	General Management	11-9199.10	Wind Energy Development Managers	Lead or manage the development and evaluation of potential wind energy business opportunities, including environmental studies, permitting, and proposals. May also manage construction of projects.
Business Management & Administration	General Management	11-9199.09	Wind Energy Operations Managers	Manage wind field operations, including personnel, maintenance activities, financial activities, and planning.
Business Management & Administration	Human Resources Management	11-3111.00	Compensation and Benefits Managers	Plan, direct, or coordinate compensation and benefits activities of an organization.
Business Management & Administration	Human Resources Management	13-1141.00	Compensation, Benefits, and Job Anal	Conduct programs of compensation and benefits and job analysis for employer. May specialize in specific areas, such as position classification and pension programs.
Business Management & Administration	Human Resources Management	11-3121.00	Human Resources Managers	Plan, direct, or coordinate human resources activities and staff of an organization.
Business Management & Administration	Human Resources Management	13-1071.00	Human Resources Specialists	Recruit, screen, interview, or place individuals within an organization. May perform other activities in multiple human resources areas.
Business Management & Administration	Human Resources Management	13-1075.00	Labor Relations Specialists	Resolve disputes between workers and managers, negotiate collective bargaining agreements, or coordinate grievance procedures to handle employee complaints.
Business Management & Administration	Human Resources Management	11-3131.00	Training and Development Managers	Plan, direct, or coordinate the training and development activities and staff of an organization.
Business Management & Administration	Human Resources Management	13-1151.00	Training and Development Specialists	Design or conduct work-related training and development programs to improve individual skills or organizational performance. May analyze organizational training needs or evaluate training effectiveness.
Business Management & Administration	Operations Management	11-3012.00	Administrative Services Managers	Plan, direct, or coordinate one or more administrative services of an organization, such as records and information management, mail distribution, and other office support services.
Business Management & Administration	Operations Management	11-3051.03	Biofuels Production Managers	Manage biofuels production and plant operations. Collect and process information on plant production and performance, diagnose problems, and design corrective procedures.
Business Management & Administration	Operations Management	11-3051.04	Biomass Power Plant Managers	Manage operations at biomass power generation facilities. Direct work activities at plant, including supervision of operations and maintenance staff.
Business Management & Administration	Operations Management	13-1199.04	Business Continuity Planners	Develop, maintain, or implement business continuity and disaster recovery strategies and solutions, including risk assessments, business impact analyses, strategy selection, and documentation of business continuity and disaster recovery procedures. Plan, conduct, and debrief regular mock-disaster exercises to test the adequacy of exis
Business Management & Administration	Operations Management	13-1199.00	Business Operations Specialists, All C	All business operations specialists not listed separately.
Business Management & Administration	Operations Management	13-1041.08	Customs Brokers	Prepare customs documentation and ensure that shipments meet all applicable laws to facilitate the import and export of goods. Determine and track duties and taxes payable and process payments on behalf of client. Sign documents under a power of attorney. Represent clients in meetings with customs officials and apply for duty refu
Business Management & Administration	Operations Management	47-4011.01	Energy Auditors	Conduct energy audits of buildings, building systems, or process systems. May also conduct investment grade audits of buildings or systems.
Business Management & Administration	Operations Management	11-3013.00	Facilities Managers	Plan, direct, or coordinate operations and functionalities of facilities and buildings. May include surrounding grounds or multiple facilities of an organization's campus.
Business Management & Administration	Operations Management	13-1131.00	Fundraisers	Organize activities to raise funds or otherwise solicit and gather monetary donations or other gifts for an organization. May design and produce promotional materials. May also raise awareness of the organization's work, goals, and financial needs.
Business Management & Administration	Operations Management	11-3051.02	Geothermal Production Managers	Manage operations at geothermal power generation facilities. Maintain and monitor geothermal plant equipment for efficient and safe plant operations.
Business Management & Administration	Operations Management	11-3051.06	Hydroelectric Production Managers	Manage operations at hydroelectric power generation facilities. Maintain and monitor hydroelectric plant equipment for efficient and safe plant operations.
Business Management & Administration	Operations Management	11-3051.00	Industrial Production Managers	Plan, direct, or coordinate the work activities and resources necessary for manufacturing products in accordance with cost, quality, and quantity specifications.
Business Management & Administration	Operations Management	13-1111.00	Management Analysts	Conduct organizational studies and evaluations, design systems and procedures, conduct work simplification and measurement studies, and prepare operations and procedures manuals to assist management in operating more efficiently and effectively. Includes program analysts and management consultants.
Business Management & Administration	Operations Management	13-1121.00	Meeting, Convention, and Event Plann	Coordinate activities of staff, convention personnel, or clients to make arrangements for group meetings, events, or conventions.
Business Management & Administration	Operations Management	13-1199.06	Online Merchants	Conduct retail activities of businesses operating exclusively online. May perform duties such as preparing business strategies, buying merchandise, managing inventory, implementing marketing activities, fulfilling and shipping online orders, and balancing financial records.
Business Management & Administration	Operations Management	15-2031.00	Operations Research Analysts	Formulate and apply mathematical modeling and other optimizing methods to develop and interpret information that assists management with decisionmaking, policy formulation, or other managerial functions. May collect and analyze data and develop decision support software, services, or products. May develop and supply optimal
Business Management & Administration	Operations Management	11-3061.00	Purchasing Managers	Plan, direct, or coordinate the activities of buyers, purchasing officers, and related workers involved in purchasing materials, products, and services. Includes wholesale or retail trade merchandising managers and procurement managers.
Business Management & Administration	Operations Management	11-3051.01	Quality Control Systems Managers	Plan, direct, or coordinate quality assurance programs. Formulate quality control policies and control quality of laboratory and production efforts.
Business Management & Administration	Operations Management	13-1199.07	Security Management Specialists	Conduct security assessments for organizations, and design security systems and processes. May specialize in areas such as physical security or the safety of employees and facilities.
Business Management & Administration	Operations Management	13-1199.05	Sustainability Specialists	Address organizational sustainability issues, such as waste stream management, green building practices, and green procurement plans.
Education & Training	Administration and Administrative Suppo	11-9039.00	Education Administrators, All Other	All education administrators not listed separately.
Education & Training	Administration and Administrative Suppo	11-9032.00	Education Administrators, Kindergarte	Plan, direct, or coordinate the academic, administrative, or auxiliary activities of kindergarten, elementary, or secondary schools.
Education & Training	Administration and Administrative Suppo	11-9033.00	Education Administrators, Postsecond	Plan, direct, or coordinate student instruction, administration, and services, as well as other research and educational activities, at postsecondary institutions, including universities, colleges, and junior and community colleges.
Education & Training	Administration and Administrative Suppo	11-9031.00	Education and Childcare Administrato	Plan, direct, or coordinate academic or nonacademic activities of preschools or childcare centers and programs, including before- and after-school care.
Education & Training	Administration and Administrative Suppo	11-9179.01	Fitness and Wellness Coordinators	Manage or coordinate fitness and wellness programs and services. Manage and train staff of wellness specialists, health educators, or fitness instructors.
Education & Training	Professional Support Services	25-4011.00	Archivists	Appraise, edit, and direct safekeeping of permanent records and historically valuable documents. Participate in research activities based on archival materials.
Education & Training	Professional Support Services	25-4012.00	Curators	Administer collections, such as artwork, collectibles, historic items, or scientific specimens of museums or other institutions. May conduct instructional, research, or public service activities of institution.
Education & Training	Professional Support Services	21-1012.00	Educational, Guidance, and Career Co	Advise and assist students and provide educational and vocational guidance services.
Education & Training	Professional Support Services	25-9031.00	Instructional Coordinators	Develop instructional material, coordinate educational content, and incorporate current technology into instruction in order to provide guidelines to educators and instructors for developing curricula and conducting courses. May train and coach teachers. Includes educational consultants and specialists, and instructional material directo
Education & Training	Professional Support Services	27-3091.00	Interpreters and Translators	Interpret oral or sign language, or translate written text from one language into another.
Education & Training	Professional Support Services	25-4022.00	Librarians and Media Collections Spe	Administer and maintain libraries or collections of information, for public or private access through reference or borrowing. Work in a variety of settings, such as educational institutions, museums, and corporations, and with various types of informational materials, such as books, periodicals, recordings, films, and databases. Tasks ma
Education & Training	Professional Support Services	25-4031.00	Library Technicians	Assist librarians by helping readers in the use of library catalogs, databases, and indexes to locate books and other materials; and by answering questions that require only brief consultation of standard reference. Compile records; sort and shelve books or other media; remove or repair damaged books or other media; register patrons; a
Education & Training	Professional Support Services	25-4013.00	Museum Technicians and Conservator	Restore, maintain, or prepare objects in museum collections for storage, research, or exhibit. May work with specimens such as fossils, skeletal parts, or botanicals; or artifacts, textiles, or art. May identify and record objects or install and arrange them in exhibits. Includes book or document conservators.
Education & Training	Teaching/Training	25-2059.01	Adapted Physical Education Specialis	Provide individualized physical education instruction or services to children, youth, or adults with exceptional physical needs due to gross motor developmental delays or other impairments.
Education & Training	Teaching/Training	25-3011.00	Adult Basic Education, Adult Seconda	Teach or instruct out-of-school youths and adults in basic education, literacy, or English as a Second Language classes, or in classes for earning a high school equivalency credential.
Education & Training	Teaching/Training	25-1041.00	Agricultural Sciences Teachers, Postse	Teach courses in the agricultural sciences. Includes teachers of agronomy, dairy sciences, fisheries management, horticultural sciences, poultry sciences, range management, and agricultural soil conservation. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1061.00	Anthropology and Archeology Teache	Teach courses in anthropology or archeology. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1031.00	Architecture Teachers, Postsecondary	Teach courses in architecture and architectural design, such as architectural environmental design, interior architecture/design, and landscape architecture. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1062.00	Area, Ethnic, and Cultural Studies Tea	Teach courses pertaining to the culture and development of an area, an ethnic group, or any other group, such as Latin American studies, women's studies, or urban affairs. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1121.00	Art, Drama, and Music Teachers, Post	Teach courses in drama, music, and the arts including fine and applied art, such as painting and sculpture, or design and crafts. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1051.00	Atmospheric, Earth, Marine, and Spac	Teach courses in the physical sciences, except chemistry and physics. Includes both teachers primarily engaged in teaching, and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1042.00	Biological Science Teachers, Postseco	Teach courses in biological sciences. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1011.00	Business Teachers, Postsecondary	Teach courses in business administration and management, such as accounting, finance, human resources, labor and industrial relations, marketing, and operations research. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-2023.00	Career/Technical Education Teachers,	Teach occupational, vocational, career, or technical subjects to students at the middle, intermediate, or junior high school level.
Education & Training	Teaching/Training	25-1194.00	Career/Technical Education Teachers,	Teach vocational courses intended to provide occupational training below the baccalaureate level in subjects such as construction, mechanics/repair, manufacturing, transportation, or cosmetology, primarily to students who have graduated from or left high school. Teaching takes place in public or private schools whose primary busine
Education & Training	Teaching/Training	25-2032.00	Career/Technical Education Teachers,	Teach occupational, vocational, career, or technical subjects to students at the secondary school level.
Education & Training	Teaching/Training	25-1052.00	Chemistry Teachers, Postsecondary	Teach courses pertaining to the chemical and physical properties and compositional changes of substances. Work may include providing instruction in the methods of qualitative and quantitative chemical analysis. Includes both teachers primarily engaged in teaching, and those who do a combination of teaching and research.
Education & Training	Teaching/Training	27-2022.00	Coaches and Scouts	Instruct or coach groups or individuals in the fundamentals of sports for the primary purpose of competition. Demonstrate techniques and methods of participation. May evaluate athletes' strengths and weaknesses as possible recruits or to improve the athletes' technique to prepare them for competition. Those required to hold teaching
Education & Training	Teaching/Training	25-1122.00	Communications Teachers, Postsecon	Teach courses in communications, such as organizational communications, public relations, radio/television broadcasting, and journalism. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1021.00	Computer Science Teachers, Postseco	Teach courses in computer science. May specialize in a field of computer science, such as the design and function of computers or operations and research analysis. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1111.00	Criminal Justice and Law Enforcemer	Teach courses in criminal justice, corrections, and law enforcement administration. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1063.00	Economics Teachers, Postsecondary	Teach courses in economics. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1081.00	Education Teachers, Postsecondary	Teach courses pertaining to education, such as counseling, curriculum, guidance, instruction, teacher education, and teaching English as a second language. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-9099.00	Educational Instruction and Library W	All educational instruction and library workers not listed separately.
Education & Training	Teaching/Training	25-2021.00	Elementary School Teachers, Except S	Teach academic and social skills to students at the elementary school level.
Education & Training	Teaching/Training	25-1032.00	Engineering Teachers, Postsecondary	Teach courses pertaining to the application of physical laws and principles of engineering for the development of machines, materials, instruments, processes, and services. Includes teachers of subjects such as chemical, civil, electrical, industrial, mechanical, mineral, and petroleum engineering. Includes both teachers primarily engag
Education & Training	Teaching/Training	25-1123.00	English Language and Literature Teac	Teach courses in English language and literature, including linguistics and comparative literature. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1053.00	Environmental Science Teachers, Post	Teach courses in environmental science. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1192.00	Family and Consumer Sciences Teach	Teach courses in childcare, family relations, finance, nutrition, and related subjects pertaining to home management. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-9021.00	Farm and Home Management Educato	Instruct and advise individuals and families engaged in agriculture, agricultural-related processes, or home management activities. Demonstrate procedures and apply research findings to advance agricultural and home management activities. May develop educational outreach programs. May instruct on either agricultural issues such a
Education & Training	Teaching/Training	25-1124.00	Foreign Language and Literature Teac	Teach languages and literature courses in languages other than English. Includes teachers of American Sign Language (ASL). Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1043.00	Forestry and Conservation Science Te	Teach courses in forestry and conservation science. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1064.00	Geography Teachers, Postsecondary	Teach courses in geography. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1071.00	Health Specialties Teachers, Postseco	Teach courses in health specialties, in fields such as dentistry, laboratory technology, medicine, pharmacy, public health, therapy, and veterinary medicine.
Education & Training	Teaching/Training	25-1125.00	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.
Education & Training	Teaching/Training	25-2012.00	Kindergarten Teachers, Except Specia	Teach academic and social skills to kindergarten students.
Education & Training	Teaching/Training	25-1112.00	Law Teachers, Postsecondary	Teach courses in law. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1082.00	Library Science Teachers, Postsecond	Teach courses in library science. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1022.00	Mathematical Science Teachers, Posts	Teach courses pertaining to mathematical concepts, statistics, and actuarial science and to the application of original and standardized mathematical techniques in solving specific problems and situations. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-2022.00	Middle School Teachers, Except Spec	Teach one or more subjects to students at the middle, intermediate, or junior high school level.
Education & Training	Teaching/Training	25-1072.00	Nursing Instructors and Teachers, Pos	Demonstrate and teach patient care in classroom and clinical units to nursing students. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1126.00	Philosophy and Religion Teachers, Po	Teach courses in philosophy, religion, and theology. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1054.00	Physics Teachers, Postsecondary	Teach courses pertaining to the laws of matter and energy. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1065.00	Political Science Teachers, Postsecon	Teach courses in political science, international affairs, and international relations. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1199.00	Postsecondary Teachers, All Other	All postsecondary teachers not listed separately.
Education & Training	Teaching/Training	25-2011.00	Preschool Teachers, Except Special Ed	Instruct preschool-aged students, following curricula or lesson plans, in activities designed to promote social, physical, and intellectual growth.
Education & Training	Teaching/Training	25-1066.00	Psychology Teachers, Postsecondary	Teach courses in psychology, such as child, clinical, and developmental psychology, and psychological counseling. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1193.00	Recreation and Fitness Studies Teache	Teach courses pertaining to recreation, leisure, and fitness studies, including exercise physiology and facilities management. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-2031.00	Secondary School Teachers, Except S	Teach one or more subjects to students at the secondary school level.
Education & Training	Teaching/Training	25-3021.00	Self-Enrichment Teachers	Teach or instruct individuals or groups for the primary purpose of self-enrichment or recreation, rather than for an occupational objective, educational attainment, competition, or fitness.
Education & Training	Teaching/Training	25-1069.00	Social Sciences Teachers, Postsecond	All postsecondary social sciences teachers not listed separately.
Education & Training	Teaching/Training	25-1113.00	Social Work Teachers, Postsecondary	Teach courses in social work. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-1067.00	Sociology Teachers, Postsecondary	Teach courses in sociology. Includes both teachers primarily engaged in teaching and those who do a combination of teaching and research.
Education & Training	Teaching/Training	25-2059.00	Special Education Teachers, All Other	All special education teachers not listed separately.
Education & Training	Teaching/Training	25-2056.00	Special Education Teachers, Elementa	Teach academic, social, and life skills to elementary school students with learning, emotional, or physical disabilities. Includes teachers who specialize and work with students who are blind or have visual impairments; students who are deaf or have hearing impairments; and students with intellectual disabilities.
Education & Training	Teaching/Training	25-2055.00	Special Education Teachers, Kinderga	Teach academic, social, and life skills to kindergarten students with learning, emotional, or physical disabilities. Includes teachers who specialize and work with students who are blind or have visual impairments; students who are deaf or have hearing impairments; and students with intellectual disabilities.
Education & Training	Teaching/Training	25-2057.00	Special Education Teachers, Middle S	Teach academic, social, and life skills to middle school students with learning, emotional, or physical disabilities. Includes teachers who specialize and work with students who are blind or have visual impairments; students who are deaf or have hearing impairments; and students with intellectual disabilities.
Education & Training	Teaching/Training	25-2051.00	Special Education Teachers, Preschoo	Teach academic, social, and life skills to preschool-aged students with learning, emotional, or physical disabilities. Includes teachers who specialize and work with students who are blind or have visual impairments; students who are deaf or have hearing impairments; and students with intellectual disabilities.
Education & Training	Teaching/Training	25-2058.00	Special Education Teachers, Secondar	Teach academic, social, and life skills to secondary school students with learning, emotional, or physical disabilities. Includes teachers who specialize and work with students who are blind or have visual impairments; students who are deaf or have hearing impairments; and students with intellectual disabilities.
Education & Training	Teaching/Training	25-3031.00	Substitute Teachers, Short-Term	Teach students on a short-term basis as a temporary replacement for a regular classroom teacher, typically using the regular teacher's lesson plan.
Education & Training	Teaching/Training	25-3099.00	Teachers and Instructors, All Other	All teachers and instructors not listed separately.
Education & Training	Teaching/Training	25-9049.00	Teaching Assistants, All Other	All teaching assistants not listed separately.
Education & Training	Teaching/Training	25-9044.00	Teaching Assistants, Postsecondary	Assist faculty or other instructional staff in postsecondary institutions by performing instructional support activities, such as developing teaching materials, leading discussion groups, preparing and giving examinations, and grading examinations or papers.
Education & Training	Teaching/Training	25-9042.00	Teaching Assistants, Preschool, Elem	Assist a preschool, elementary, middle, or secondary school teacher with instructional duties. Serve in a position for which a teacher has primary responsibility for the design and implementation of educational programs and services.
Education & Training	Teaching/Training	25-9043.00	Teaching Assistants, Special Educatio	Assist a preschool, elementary, middle, or secondary school teacher to provide academic, social, or life skills to students who have learning, emotional, or physical disabilities. Serve in a position for which a teacher has primary responsibility for the design and implementation of educational programs and services.
Education & Training	Teaching/Training	25-3041.00	Tutors	Instruct individual students or small groups of students in academic subjects to support formal class instruction or to prepare students for standardized or admissions tests.
Finance	Accounting	13-2011.00	Accountants and Auditors	Examine, analyze, and interpret accounting records to prepare financial statements, give advice, or audit and evaluate statements prepared by others. Install or advise on systems of recording costs or other financial and budgetary data.
Finance	Banking Services	43-3011.00	Bill and Account Collectors	Locate and notify customers of delinquent accounts by mail, telephone, or personal visit to solicit payment. Duties include receiving payment and posting amount to customer's account, preparing statements to credit department if customer fails to respond, initiating repossession proceedings or service disconnection, and keeping recor
Finance	Banking Services	13-2041.00	Credit Analysts	Analyze credit data and financial statements of individuals or firms to determine the degree of risk involved in extending credit or lending money. Prepare reports with credit information for use in decisionmaking.
Finance	Banking Services	43-4041.00	Credit Authorizers, Checkers, and Cle	Authorize credit charges against customers' accounts. Investigate history and credit standing of individuals or business establishments applying for credit. May interview applicants to obtain personal and financial data, determine credit worthiness, process applications, and notify customers of acceptance or rejection of credit.
Finance	Banking Services	43-3099.00	Financial Clerks, All Other	All financial clerks not listed separately.
Finance	Banking Services	43-4131.00	Loan Interviewers and Clerks	Interview loan applicants to elicit information; investigate applicants' backgrounds and verify references; prepare loan request papers; and forward findings, reports, and documents to appraisal department. Review loan papers to ensure completeness, and complete transactions between loan establishment, borrowers, and sellers upon a
Finance; Human Services	Banking Services; Consumer Services	13-2072.00	Loan Officers	Evaluate, authorize, or recommend approval of commercial, real estate, or credit loans. Advise borrowers on financial status and payment methods. Includes mortgage loan officers and agents, collection analysts, loan servicing officers, loan underwriters, and payday loan officers.
Finance	Banking Services	43-3071.00	Tellers	Receive and pay out money. Keep records of money and negotiable instruments involved in a financial institution's various transactions.
Finance	Business Finance	13-2031.00	Budget Analysts	Examine budget estimates for completeness, accuracy, and conformance with procedures and regulations. Analyze budgeting and accounting reports.
Finance	Business Finance	11-3031.00	Financial Managers	Plan, direct, or coordinate accounting, investing, banking, insurance, securities, and other financial activities of a branch, office, or department of an establishment.
Finance	Business Finance	13-2082.00	Tax Preparers	Prepare tax returns for individuals or small businesses.
Finance	Business Finance	11-3031.01	Treasurers and Controllers	Direct financial activities, such as planning, procurement, and investments for all or part of an organization.
Finance	Insurance	15-2011.00	Actuaries	Analyze statistical data, such as mortality, accident, sickness, disability, and retirement rates and construct probability tables to forecast risk and liability for payment of future benefits. May ascertain insurance rates required and cash reserves necessary to ensure payment of future benefits.
Finance	Insurance	13-1031.00	Claims Adjusters, Examiners, and Inv	Review settled claims to determine that payments and settlements are made in accordance with company practices and procedures. Confer with legal counsel on claims requiring litigation. May also settle insurance claims.
Finance	Insurance	13-1032.00	Insurance Appraisers, Auto Damage	Appraise automobile or other vehicle damage to determine repair costs for insurance claim settlement. Prepare insurance forms to indicate repair cost or cost estimates and recommendations. May seek agreement with automotive repair shop on repair costs.
Finance	Insurance	43-9041.00	Insurance Claims and Policy Processi	Process new insurance policies, modifications to existing policies, and claims forms. Obtain information from policyholders to verify the accuracy and completeness of information on claims forms, applications and related documents, and company records. Update existing policies and company records to reflect changes requested by
Finance	Insurance	41-3021.00	Insurance Sales Agents	Sell life, property, casualty, health, automotive, or other types of insurance. May refer clients to independent brokers, work as an independent broker, or be employed by an insurance company.
Finance	Insurance	13-2053.00	Insurance Underwriters	Review individual applications for insurance to evaluate degree of risk involved and determine acceptance of applications.
Finance	Securities & Investments	43-4011.00	Brokerage Clerks	Perform duties related to the purchase, sale, or holding of securities. Duties include writing orders for stock purchases or sales, computing transfer taxes, verifying stock transactions, accepting and delivering securities, tracking stock price fluctuations, computing equity, distributing dividends, and keeping records of daily transactions
Finance; Finance	Securities & Investments; Business Finan	13-2051.00	Financial and Investment Analysts	Conduct quantitative analyses of information involving investment programs or financial data of public or private institutions, including valuation of businesses.
Finance	Securities & Investments	13-2099.01	Financial Quantitative Analysts	Develop quantitative techniques to inform securities investing, equities investing, pricing, or valuation of financial instruments. Develop mathematical or statistical models for risk management, asset optimization, pricing, or relative value analysis.
Finance; Finance	Securities & Investments; Business Finan	13-2054.00	Financial Risk Specialists	Analyze and measure exposure to credit and market risk threatening the assets, earning capacity, or economic state of an organization. May make recommendations to limit risk.
Finance	Securities & Investments	13-2099.00	Financial Specialists, All Other	All financial specialists not listed separately.
Finance	Securities & Investments	13-2099.04	Fraud Examiners, Investigators and A	Obtain evidence, take statements, produce reports, and testify to findings regarding resolution of fraud allegations. May coordinate fraud detection and prevention activities.
Finance	Securities & Investments	13-2052.00	Personal Financial Advisors	Advise clients on financial plans using knowledge of tax and investment strategies, securities, insurance, pension plans, and real estate. Duties include assessing clients' assets, liabilities, cash flow, insurance coverage, tax status, and financial objectives. May also buy and sell financial assets for clients.
Finance; Marketing	Securities & Investments; Professional Sa	41-3031.00	Securities, Commodities, and Financia	Buy and sell securities or commodities in investment and trading firms, or provide financial services to businesses and individuals. May advise customers about stocks, bonds, mutual funds, commodities, and market conditions.
Government & Public Administration	Governance	53-6051.01	Aviation Inspectors	Inspect aircraft, maintenance procedures, air navigational aids, air traffic controls, and communications equipment to ensure conformance with Federal safety regulations.
Government & Public Administration	Governance	13-1041.00	Compliance Officers	Examine, evaluate, and investigate eligibility for or conformity with laws and regulations governing contract compliance of licenses and permits, and perform other compliance and enforcement inspection and analysis activities not classified elsewhere.
Government & Public Administration	Governance	13-1041.06	Coroners	Direct activities such as autopsies, pathological and toxicological analyses, and inquests relating to the investigation of deaths occurring within a legal jurisdiction to determine cause of death or to fix responsibility for accidental, violent, or unexplained deaths.
Government & Public Administration	Governance	13-1041.01	Environmental Compliance Inspectors	Inspect and investigate sources of pollution to protect the public and environment and ensure conformance with Federal, State, and local regulations and ordinances.
Government & Public Administration	Governance	13-1041.03	Equal Opportunity Representatives an	Monitor and evaluate compliance with equal opportunity laws, guidelines, and policies to ensure that employment practices and contracting arrangements give equal opportunity without regard to race, religion, color, national origin, sex, age, or disability.
Government & Public Administration	Governance	13-2061.00	Financial Examiners	Enforce or ensure compliance with laws and regulations governing financial and securities institutions and financial and real estate transactions. May examine, verify, or authenticate records.
Government & Public Administration	Governance	13-1041.04	Government Property Inspectors and I	Investigate or inspect government property to ensure compliance with contract agreements and government regulations.
	Governance	11-1031.00	Legislators	Develop, introduce, or enact laws and statutes at the local, tribal, state, or federal level. Includes only workers in elected positions.
Government & Public Administration	Governance	13-1041.07	Regulatory Affairs Specialists	Coordinate and document internal regulatory processes, such as internal audits, inspections, license renewals, or registrations. May compile and prepare materials for submission to regulatory agencies.
Government & Public Administration	Governance	53-6051.00	Transportation Inspectors	Inspect equipment or goods in connection with the safe transport of cargo or people. Includes rail transportation inspectors, such as freight inspectors, rail inspectors, and other inspectors of transportation vehicles not elsewhere classified.
Government & Public Administration	Governance	53-6051.07	Transportation Vehicle, Equipment an	Inspect and monitor transportation equipment, vehicles, or systems to ensure compliance with regulations and safety standards.
Government & Public Administration	National Security	55-3011.00	Air Crew Members	Perform in-flight duties to ensure the successful completion of combat, reconnaissance, transport, and search and rescue missions. Duties include operating aircraft communications and detection equipment, including establishing satellite linkages and jamming enemy communications capabilities; conducting preflight, in-flight, and po
Government & Public Administration	National Security	55-1011.00	Air Crew Officers	Perform and direct in-flight duties to ensure the successful completion of combat, reconnaissance, transport, and search and rescue missions. Duties include operating aircraft communications and radar equipment, such as establishing satellite linkages and jamming enemy communications capabilities; operating aircraft weapons and d
Government & Public Administration	National Security	55-1012.00	Aircraft Launch and Recovery Officer	Plan and direct the operation and maintenance of catapults, arresting gear, and associated mechanical, hydraulic, and control systems involved primarily in aircraft carrier takeoff and landing operations. Duties include supervision of readiness and safety of arresting gear, launching equipment, barricades, and visual landing aid systems
Government & Public Administration	National Security	55-3012.00	Aircraft Launch and Recovery Specia	Operate and maintain catapults, arresting gear, and associated mechanical, hydraulic, and control systems involved primarily in aircraft carrier takeoff and landing operations. Duties include installing and maintaining visual landing aids; testing and maintaining launch and recovery equipment using electric and mechanical test equipme
Government & Public Administration	National Security	55-3013.00	Armored Assault Vehicle Crew Memb	Operate tanks, light armor, and amphibious assault vehicles during combat situations on land or in aquatic environments. Duties include driving armored vehicles that require specialized training; operating and maintaining targeting and firing systems; operating and maintaining advanced onboard communications and navigation equip
Government & Public Administration	National Security	55-1013.00	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. Duties include directing crew members in the operation of targeting and firing systems; coordinating the operation of advanced onboard communications and navigation equipment; directing the
Government & Public Administration	National Security	55-3014.00	Artillery and Missile Crew Members	Target, fire, and maintain weapons used to destroy enemy positions, aircraft, and vessels. Field artillery crew members predominantly use guns, cannons, and howitzers in ground combat operations, while air defense artillery crew members predominantly use missiles and rockets. Naval artillery crew members predominantly use torpe
Government & Public Administration	National Security	55-1014.00	Artillery and Missile Officers	Manage personnel and weapons operations to destroy enemy positions, aircraft, and vessels. Duties include planning, targeting, and coordinating the tactical deployment of field artillery and air defense artillery missile systems units; directing the establishment and operation of fire control communications systems; targeting and launcl
Government & Public Administration	National Security	55-1015.00	Command and Control Center Officer	Manage the operation of communications, detection, and weapons systems essential for controlling air, ground, and naval operations. Duties include managing critical communication links between air, naval, and ground forces; formulating and implementing emergency plans for natural and wartime disasters; coordinating emergency
Government & Public Administration	National Security	55-3015.00	Command and Control Center Special	Operate and monitor communications, detection, and weapons systems essential for controlling air, ground, and naval operations. Duties include maintaining and relaying critical communications between air, naval, and ground forces; implementing emergency plans for natural and wartime disasters; relaying command center informat
Government & Public Administration; Manufacturing	National Security; Manufacturing Produc	17-3029.00	Engineering Technologists and Techni	All engineering technologists and technicians, except drafters, not listed separately.
Government & Public Administration	National Security	55-2011.00	First-Line Supervisors of Air Crew M	Supervise and coordinate the activities of air crew members. Supervisors may also perform the same activities as the workers they supervise.
Government & Public Administration	National Security	55-2013.00	First-Line Supervisors of All Other Ta	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.
Government & Public Administration	National Security	55-2012.00	First-Line Supervisors of Weapons Sp	Supervise and coordinate the activities of weapons specialists/crew members. Supervisors may also perform the same activities as the workers they supervise.
Government & Public Administration	National Security	55-3016.00	Infantry	Operate weapons and equipment in ground combat operations. Duties include operating and maintaining weapons, such as rifles, machine guns, mortars, and hand grenades; locating, constructing, and camouflaging infantry positions and equipment; evaluating terrain and recording topographical information; operating and maintaining
Government & Public Administration	National Security	55-1016.00	Infantry Officers	Direct, train, and lead infantry units in ground combat operations. Duties include directing deployment of infantry weapons, vehicles, and equipment; directing location, construction, and camouflage of infantry positions and equipment; managing field communications operations; coordinating with armor, artillery, and air support unit
Government & Public Administration	National Security	55-3019.00	Military Enlisted Tactical Operations	All military enlisted tactical operations and air/weapons specialists and crewmembers not listed separately.
Government & Public Administration	National Security	55-1019.00	Military Officer Special and Tactical C	All military officer special and tactical operations leaders not listed separately.
Government & Public Administration	National Security	55-3018.00	Special Forces	Implement unconventional operations by air, land, or sea during combat or peacetime as members of elite teams. These activities include offensive raids, demolitions, reconnaissance, search and rescue, and counterterrorism. In addition to their combat training, special forces members often have specialized training in swimming, divir
Government & Public Administration	National Security	55-1017.00	Special Forces Officers	Lead elite teams that implement unconventional operations by air, land, or sea during combat or peacetime. These activities include offensive raids, demolitions, reconnaissance, search and rescue, and counterterrorism. In addition to their combat training, special forces officers often have specialized training in swimming, diving, para
Government & Public Administration	National Security	33-9093.00	Transportation Security Screeners	Conduct screening of passengers, baggage, or cargo to ensure compliance with Transportation Security Administration (TSA) regulations. May operate basic security equipment such as x-ray machines and hand wands at screening checkpoints.
Government & Public Administration	Planning	15-2099.01	Bioinformatics Technicians	Apply principles and methods of bioinformatics to assist scientists in areas such as pharmaceuticals, medical technology, biotechnology, computational biology, proteomics, computer information science, biology and medical informatics. Apply bioinformatics tools to visualize, analyze, manipulate or interpret molecular data. May bui
Government & Public Administration	Planning	43-9111.00	Statistical Assistants	Compile and compute data according to statistical formulas for use in statistical studies. May perform actuarial computations and compile charts and graphs for use by actuaries. Includes actuarial clerks.
Government & Public Administration; Science, Technology, Engineering & M	Planning; Science and Mathematics	19-3051.00	Urban and Regional Planners	Develop comprehensive plans and programs for use of land and physical facilities of jurisdictions, such as towns, cities, counties, and metropolitan areas.
Government & Public Administration	Public Management and Administration	43-4031.00	Court, Municipal, and License Clerks	Perform clerical duties for courts of law, municipalities, or governmental licensing agencies and bureaus. May prepare docket of cases to be called; secure information for judges and court; prepare draft agendas or bylaws for town or city council; answer official correspondence; keep fiscal records and accounts; issue licenses or permi
Government & Public Administration	Public Management and Administration	43-4061.00	Eligibility Interviewers, Government	Determine eligibility of persons applying to receive assistance from government programs and agency resources, such as welfare, unemployment benefits, social security, and public housing.
Government & Public Administration	Public Management and Administration	11-9161.00	Emergency Management Directors	Plan and direct disaster response or crisis management activities, provide disaster preparedness training, and prepare emergency plans and procedures for natural (e.g., hurricanes, floods, earthquakes), wartime, or technological (e.g., nuclear power plant emergencies or hazardous materials spills) disasters or hostage situations.
Government & Public Administration	Public Management and Administration	11-9131.00	Postmasters and Mail Superintendents	Plan, direct, or coordinate operational, administrative, management, and support services of a U.S. post office; or coordinate activities of workers engaged in postal and related work in assigned post office.
Government & Public Administration	Regulation	45-2011.00	Agricultural Inspectors	Inspect agricultural commodities, processing equipment, and facilities, and fish and logging operations, to ensure compliance with regulations and laws governing health, quality, and safety.
Government & Public Administration	Regulation	47-4011.00	Construction and Building Inspectors	Inspect structures using engineering skills to determine structural soundness and compliance with specifications, building codes, and other regulations. Inspections may be general in nature or may be limited to a specific area, such as electrical systems or plumbing.
Government & Public Administration	Regulation	19-5011.00	Occupational Health and Safety Speci	Review, evaluate, and analyze work environments and design programs and procedures to control, eliminate, and prevent disease or injury caused by chemical, physical, and biological agents or ergonomic factors. May conduct inspections and enforce adherence to laws and regulations governing the health and safety of individuals. M
Government & Public Administration	Regulation	19-5012.00	Occupational Health and Safety Techn	Collect data on work environments for analysis by occupational health and safety specialists. Implement and conduct evaluation of programs designed to limit chemical, physical, biological, and ergonomic risks to workers.
Government & Public Administration	Revenue and Taxation	13-2023.00	Appraisers and Assessors of Real Esta	Appraise real estate, exclusively, and estimate its fair value. May assess taxes in accordance with prescribed schedules.
Government & Public Administration	Revenue and Taxation	13-2022.00	Appraisers of Personal and Business I	Appraise and estimate the fair value of tangible personal or business property, such as jewelry, art, antiques, collectibles, and equipment. May also appraise land.
Government & Public Administration	Revenue and Taxation	13-2081.00	Tax Examiners and Collectors, and Re	Determine tax liability or collect taxes from individuals or business firms according to prescribed laws and regulations.
Health Science; Science, Technology, Engineering & Mathematics	Biotechnology Research and Developmer	17-2031.00	Bioengineers and Biomedical Enginee	Apply knowledge of engineering, biology, chemistry, computer science, and biomechanical principles to the design, development, and evaluation of biological, agricultural, and health systems and products, such as artificial organs, prostheses, instrumentation, medical information systems, and health management and care delivery sys
Health Science	Biotechnology Research and Developmer	19-1042.00	Medical Scientists, Except Epidemiolo	Conduct research dealing with the understanding of human diseases and the improvement of human health. Engage in clinical investigation, research and development, or other related activities.
Health Science	Diagnostic Services	29-2031.00	Cardiovascular Technologists and Tec	Conduct tests on pulmonary or cardiovascular systems of patients for diagnostic, therapeutic, or research purposes. May conduct or assist in electrocardiograms, cardiac catheterizations, pulmonary functions, lung capacity, and similar tests.
Health Science	Diagnostic Services	29-2011.01	Cytogenetic Technologists	Analyze chromosomes or chromosome segments found in biological specimens, such as amniotic fluids, bone marrow, solid tumors, and blood to aid in the study, diagnosis, classification, or treatment of inherited or acquired genetic diseases. Conduct analyses through classical cytogenetic, fluorescent in situ hybridization (FISH) or a
Health Science	Diagnostic Services	29-2011.02	Cytotechnologists	Stain, mount, and study cells to detect evidence of cancer, hormonal abnormalities, and other pathological conditions following established standards and practices.
Health Science	Diagnostic Services	29-2032.00	Diagnostic Medical Sonographers	Produce ultrasonic recordings of internal organs for use by physicians. Includes vascular technologists.
Health Science	Diagnostic Services	19-1041.00	Epidemiologists	Investigate and describe the determinants and distribution of disease, disability, or health outcomes. May develop the means for prevention and control.

Health Science	Diagnostic Services	29-2012.01	Histology Technicians	Prepare histological slides from tissue sections for microscopic examination and diagnosis by pathologists. May assist with research studies.
Health Science	Diagnostic Services	29-2011.04	Histotechnologists	Apply knowledge of health and disease causes to evaluate new laboratory techniques and procedures to examine tissue samples. Process and prepare histological slides from tissue sections for microscopic examination and diagnosis by pathologists. May solve technical or instrument problems or assist with research studies.
Health Science	Diagnostic Services	29-2035.00	Magnetic Resonance Imaging Techno	Operate Magnetic Resonance Imaging (MRI) scanners. Monitor patient safety and comfort, and view images of area being scanned to ensure quality of pictures. May administer gadolinium contrast dosage intravenously. May interview patient, explain MRI procedures, and position patient on examining table. May enter into the compu
Health Science	Diagnostic Services	29-2012.00	Medical and Clinical Laboratory Tech	Perform routine medical laboratory tests for the diagnosis, treatment, and prevention of disease. May work under the supervision of a medical technologist.
Health Science	Diagnostic Services	29-2011.00	Medical and Clinical Laboratory Tech	Perform complex medical laboratory tests for diagnosis, treatment, and prevention of disease. May train or supervise staff.
Health Science	Diagnostic Services	29-2036.00	Medical Dosimetrists	Generate radiation treatment plans, develop radiation dose calculations, communicate and supervise the treatment plan implementation, and consult with members of radiation oncology team.
Health Science	Diagnostic Services	29-2099.01	Neurodiagnostic Technologists	Conduct electroneurodiagnostic (END) tests such as electroencephalograms, evoked potentials, polysomnograms, or electronystagmograms. May perform nerve conduction studies.
Health Science	Diagnostic Services	29-2033.00	Nuclear Medicine Technologists	Prepare, administer, and measure radioactive isotopes in therapeutic, diagnostic, and tracer studies using a variety of radioisotope equipment. Prepare stock solutions of radioactive materials and calculate doses to be administered by radiologists. Subject patients to radiation. Execute blood volume, red cell survival, and fat absorption s
Health Science	Diagnostic Services	29-2099.05	Ophthalmic Medical Technologists	Assist ophthalmologists by performing ophthalmic clinical functions and ophthalmic photography. Provide instruction and supervision to other ophthalmic personnel. Assist with minor surgical procedures, applying aseptic techniques and preparing instruments. May perform eye exams, administer eye medications, and instruct patient
Health Science	Diagnostic Services	29-2034.00	Radiologic Technologists and Technic	Take x-rays and CAT scans or administer nonradioactive materials into patient's bloodstream for diagnostic or research purposes. Includes radiologic technologists and technicians who specialize in other scanning modalities.
Health Science	Diagnostic Services	29-2056.00	Veterinary Technologists and Technici	Perform medical tests in a laboratory environment for use in the treatment and diagnosis of diseases in animals. Prepare vaccines and serums for prevention of diseases. Prepare tissue samples, take blood samples, and execute laboratory tests, such as urinalysis and blood counts. Clean and sterilize instruments and materials and mainta
Health Science	Health Informatics	29-2072.00	Medical Records Specialists	Compile, process, and maintain medical records of hospital and clinic patients in a manner consistent with medical, administrative, ethical, legal, and regulatory requirements of the healthcare system. Classify medical and healthcare concepts, including diagnosis, procedures, medical services, and equipment, into the healthcare indust
Health Science	Health Informatics	43-6013.00	Medical Secretaries and Administrativ	Perform secretarial duties using specific knowledge of medical terminology and hospital, clinic, or laboratory procedures. Duties may include scheduling appointments, billing patients, and compiling and recording medical charts, reports, and correspondence.
Health Science	Health Informatics	31-9094.00	Medical Transcriptionists	Transcribe medical reports recorded by physicians and other healthcare practitioners using various electronic devices, covering office visits, emergency room visits, diagnostic imaging studies, operations, chart reviews, and final summaries. Transcribe dictated reports and translate abbreviations into fully understandable form. Edit as r
Health Science	Support Services	31-9099.02	Endoscopy Technicians	Maintain a sterile field to provide support for physicians and nurses during endoscopy procedures. Prepare and maintain instruments and equipment. May obtain specimens.
Health Science	Support Services	31-9099.00	Healthcare Support Workers, All Othe	All healthcare support workers not listed separately.
Health Science	Support Services	11-9111.00	Medical and Health Services Manager	Plan, direct, or coordinate medical and health services in hospitals, clinics, managed care organizations, public health agencies, or similar organizations.
Health Science	Support Services	31-9093.00	Medical Equipment Preparers	Prepare, sterilize, install, or clean laboratory or healthcare equipment. May perform routine laboratory tasks and operate or inspect equipment.
Health Science	Support Services	31-1132.00	Orderlies	Transport patients to areas such as operating rooms or x-ray rooms using wheelchairs, stretchers, or moveable beds. May maintain stocks of supplies or clean and transport equipment. Psychiatric orderlies are included in Psychiatric Aides.
Health Science	Support Services	31-9095.00	Pharmacy Aides	Record drugs delivered to the pharmacy, store incoming merchandise, and inform the supervisor of stock needs. May operate cash register and accept prescriptions for filling.
Health Science	Support Services	31-9097.00	Phlebotomists	Draw blood for tests, transfusions, donations, or research. May explain the procedure to patients and assist in the recovery of patients with adverse reactions.
Health Science	Support Services	31-9099.01	Speech-Language Pathology Assistant	Assist speech-language pathologists in the assessment and treatment of speech, language, voice, and fluency disorders. Implement speech and language programs or activities as planned and directed by speech-language pathologists. Monitor the use of alternative communication devices and systems.
Health Science	Support Services	31-9096.00	Veterinary Assistants and Laboratory A	Feed, water, and examine pets and other nonfarm animals for signs of illness, disease, or injury in laboratories and animal hospitals and clinics. Clean and disinfect cages and work areas, and sterilize laboratory and surgical equipment. May provide routine postoperative care, administer medication orally or topically, or prepare sample
Health Science	Therapeutic Services	29-1291.00	Acupuncturists	Diagnose, treat, and prevent disorders by stimulating specific acupuncture points within the body using acupuncture needles. May also use cups, nutritional supplements, therapeutic massage, acupressure, and other alternative health therapies.
Health Science	Therapeutic Services	29-1141.01	Acute Care Nurses	Provide advanced nursing care for patients with acute conditions such as heart attacks, respiratory distress syndrome, or shock. May care for pre- and post-operative patients or perform advanced, invasive diagnostic or therapeutic procedures.
Health Science	Therapeutic Services	29-1141.02	Advanced Practice Psychiatric Nurses	Assess, diagnose, and treat individuals and families with mental health or substance use disorders or the potential for such disorders. Apply therapeutic activities, including the prescription of medication, per state regulations, and the administration of psychotherapy.
Health Science	Therapeutic Services	29-1229.01	Allergists and Immunologists	Diagnose, treat, and help prevent allergic diseases and disease processes affecting the immune system.
Health Science	Therapeutic Services	29-1071.01	Anesthesiologist Assistants	Assist anesthesiologists in the administration of anesthesia for surgical and non-surgical procedures. Monitor patient status and provide patient care during surgical treatment.
Health Science	Therapeutic Services	29-1211.00	Anesthesiologists	Administer anesthetics and analgesics for pain management prior to, during, or after surgery.
Health Science	Therapeutic Services	29-1129.01	Art Therapists	Plan or conduct art therapy sessions or programs to improve clients' physical, cognitive, or emotional well-being.
Health Science	Therapeutic Services	29-9091.00	Athletic Trainers	Evaluate and treat musculoskeletal injuries or illnesses. Provide preventive, therapeutic, emergency, and rehabilitative care.
Health Science	Therapeutic Services	29-1181.00	Audiologists	Assess and treat persons with hearing and related disorders. May fit hearing aids and provide auditory training. May perform research related to hearing problems.
Health Science	Therapeutic Services	29-1212.00	Cardiologists	Diagnose, treat, manage, and prevent diseases or conditions of the cardiovascular system. May further subspecialize in interventional procedures (e.g., balloon angioplasty and stent placement), echocardiography, or electrophysiology.
Health Science	Therapeutic Services	29-1011.00	Chiropractors	Assess, treat, and care for patients by manipulation of spine and musculoskeletal system. May provide spinal adjustment or address sacral or pelvic misalignment.
Health Science	Therapeutic Services	29-1141.04	Clinical Nurse Specialists	Direct nursing staff in the provision of patient care in a clinical practice setting, such as a hospital, hospice, clinic, or home. Ensure adherence to established clinical policies, protocols, regulations, and standards.
Health Science	Therapeutic Services	29-1141.03	Critical Care Nurses	Provide specialized nursing care for patients in critical or coronary care units.
Health Science	Therapeutic Services	31-9091.00	Dental Assistants	Perform limited clinical duties under the direction of a dentist. Clinical duties may include equipment preparation and sterilization, preparing patients for treatment, assisting the dentist during treatment, and providing patients with instructions for oral healthcare procedures. May perform administrative duties such as scheduling appoi
Health Science	Therapeutic Services	29-1292.00	Dental Hygienists	Administer oral hygiene care to patients. Assess patient oral hygiene problems or needs and maintain health records. Advise patients on oral health maintenance and disease prevention. May provide advanced care such as providing fluoride treatment or administering topical anesthesia.
Health Science	Therapeutic Services	29-1029.00	Dentists, All Other Specialists	All dentists not listed separately.
Health Science	Therapeutic Services	29-1021.00	Dentists, General	Examine, diagnose, and treat diseases, injuries, and malformations of teeth and gums. May treat diseases of nerve, pulp, and other dental tissues affecting oral hygiene and retention of teeth. May fit dental appliances or provide preventive care.
Health Science	Therapeutic Services	29-1213.00	Dermatologists	Diagnose and treat diseases relating to the skin, hair, and nails. May perform both medical and dermatological surgery functions.
Health Science	Therapeutic Services	29-2051.00	Dietetic Technicians	Assist in the provision of food service and nutritional programs, under the supervision of a dietitian. May plan and produce meals based on established guidelines, teach principles of food and nutrition, or counsel individuals.
Health Science	Therapeutic Services	29-1031.00	Dietitians and Nutritionists	Plan and conduct food service or nutritional programs to assist in the promotion of health and control of disease. May supervise activities of a department providing quantity food services, counsel individuals, or conduct nutritional research.
Health Science	Therapeutic Services	29-1214.00	Emergency Medicine Physicians	Make immediate medical decisions and act to prevent death or further disability. Provide immediate recognition, evaluation, care, stabilization, and disposition of patients. May direct emergency medical staff in an emergency department.
Health Science	Therapeutic Services	29-1128.00	Exercise Physiologists	Assess, plan, or implement fitness programs that include exercise or physical activities such as those designed to improve cardiorespiratory function, body composition, muscular strength, muscular endurance, or flexibility.
Health Science	Therapeutic Services	29-1215.00	Family Medicine Physicians	Diagnose, treat, and provide preventive care to individuals and families across the lifespan. May refer patients to specialists when needed for further diagnosis or treatment.
Health Science	Therapeutic Services	29-1216.00	General Internal Medicine Physicians	Diagnose and provide nonsurgical treatment for a wide range of diseases and injuries of internal organ systems. Provide care mainly for adults and adolescents, and are based primarily in an outpatient care setting.
Health Science	Therapeutic Services	29-9092.00	Genetic Counselors	Assess individual or family risk for a variety of inherited conditions, such as genetic disorders and birth defects. Provide information to other healthcare providers or to individuals and families concerned with the risk of inherited conditions. Advise individuals and families to support informed decisionmaking and coping methods for t
Health Science; Health Science	Therapeutic Services; Health Informatics	29-9021.00	Health Information Technologists and	Apply knowledge of healthcare and information systems to assist in the design, development, and continued modification and analysis of computerized healthcare systems. Abstract, collect, and analyze treatment and followup information of patients. May educate staff and assist in problem solving to promote the implementation of th
Health Science; Health Science	Therapeutic Services; Diagnostic Service	29-2099.00	Health Technologists and Technicians	All health technologists and technicians not listed separately.
Health Science	Therapeutic Services	29-1299.00	Healthcare Diagnosing or Treating Pra	All healthcare diagnosing or treating practitioners not listed separately.
Health Science	Therapeutic Services	29-9099.00	Healthcare Practitioners and Technica	All healthcare practitioners and technical workers not listed separately.
Health Science	Therapeutic Services	29-2092.00	Hearing Aid Specialists	Select and fit hearing aids for customers. Administer and interpret tests of hearing. Assess hearing instrument efficacy. Take ear impressions and prepare, design, and modify ear molds.
Health Science	Therapeutic Services	31-1121.00	Home Health Aides	Monitor the health status of an individual with disabilities or illness, and address their health-related needs, such as changing bandages, dressing wounds, or administering medication. Work is performed under the direction of offsite or intermittent onsite licensed nursing staff. Provide assistance with routine healthcare tasks or activitie
Health Science	Therapeutic Services	29-1229.02	Hospitalists	Provide inpatient care predominantly in settings such as medical wards, acute care units, intensive care units, rehabilitation centers, or emergency rooms. Manage and coordinate patient care throughout treatment.
Health Science	Therapeutic Services	29-2061.00	Licensed Practical and Licensed Voca	Care for ill, injured, or convalescing patients or persons with disabilities in hospitals, nursing homes, clinics, private homes, group homes, and similar institutions. May work under the supervision of a registered nurse. Licensing required.
Health Science	Therapeutic Services	29-1122.01	Low Vision Therapists, Orientation an	Provide therapy to patients with visual impairments to improve their functioning in daily life activities. May train patients in activities such as computer use, communication skills, or home management skills.
Health Science	Therapeutic Services	31-9092.00	Medical Assistants	Perform administrative and certain clinical duties under the direction of a physician. Administrative duties may include scheduling appointments, maintaining medical records, billing, and coding information for insurance purposes. Clinical duties may include taking and recording vital signs and medical histories, preparing patients fo
Health Science	Therapeutic Services	29-9099.01	Midwives	Provide prenatal care and childbirth assistance.
Health Science	Therapeutic Services	29-1129.02	Music Therapists	Plan, organize, direct, or assess clinical and evidenced-based music therapy interventions to positively influence individuals' physical, psychological, cognitive, or behavioral status.
Health Science	Therapeutic Services	29-1299.01	Naturopathic Physicians	Diagnose, treat, and help prevent diseases using a system of practice that is based on the natural healing capacity of individuals. May use physiological, psychological or mechanical methods. May also use natural medicines, prescription or legend drugs, foods, herbs, or other natural remedies.
Health Science	Therapeutic Services	29-1217.00	Neurologists	Diagnose, manage, and treat disorders and diseases of the brain, spinal cord, and peripheral nerves, with a primarily nonsurgical focus.
Health Science	Therapeutic Services	29-1151.00	Nurse Anesthetists	Administer anesthesia, monitor patient's vital signs, and oversee patient recovery from anesthesia. May assist anesthesiologists, surgeons, other physicians, or dentists. Must be registered nurses who have specialized graduate education.
Health Science	Therapeutic Services	29-1161.00	Nurse Midwives	Diagnose and coordinate all aspects of the birthing process, either independently or as part of a healthcare team. May provide well-woman gynecological care. Must have specialized, graduate nursing education.
Health Science	Therapeutic Services	29-1171.00	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. May order, perform, or interpret diagnostic tests such as lab work and x rays. May prescribe medication. Must be registered nurses who have specialized graduate education.
Health Science	Therapeutic Services	31-1131.00	Nursing Assistants	Provide or assist with basic care or support under the direction of onsite licensed nursing staff. Perform duties such as monitoring of health status, feeding, bathing, dressing, grooming, toileting, or ambulation of patients in a health or nursing facility. May include medication administration and other health-related tasks. Includes nursi
Health Science	Therapeutic Services	29-1218.00	Obstetricians and Gynecologists	Provide medical care related to pregnancy or childbirth. Diagnose, treat, and help prevent diseases of women, particularly those affecting the reproductive system. May also provide general care to women. May perform both medical and gynecological surgery functions.
Health Science	Therapeutic Services	29-1122.00	Occupational Therapists	Assess, plan, and organize rehabilitative programs that help build or restore vocational, homemaking, and daily living skills, as well as general independence, to persons with disabilities or developmental delays. Use therapeutic techniques, adapt the individual's environment, teach skills, and modify specific tasks that present barriers t
Health Science	Therapeutic Services	31-2012.00	Occupational Therapy Aides	Under close supervision of an occupational therapist or occupational therapy assistant, perform only delegated, selected, or routine tasks in specific situations. These duties include preparing patient and treatment room.
Health Science	Therapeutic Services	31-2011.00	Occupational Therapy Assistants	Assist occupational therapists in providing occupational therapy treatments and procedures. May, in accordance with state laws, assist in development of treatment plans, carry out routine functions, direct activity programs, and document the progress of treatments. Generally requires formal training.
Health Science	Therapeutic Services	29-2057.00	Ophthalmic Medical Technicians	Assist ophthalmologists by performing ophthalmic clinical functions. May administer eye exams, administer eye medications, and instruct the patient in care and use of corrective lenses.
Health Science	Therapeutic Services	29-1241.00	Ophthalmologists, Except Pediatric	Diagnose and perform surgery to treat and help prevent disorders and diseases of the eye. May also provide vision services for treatment including glasses and contacts.
Health Science	Therapeutic Services	29-2081.00	Opticians, Dispensing	Design, measure, fit, and adapt lenses and frames for client according to written optical prescription or specification. Assist client with inserting, removing, and caring for contact lenses. Assist client with selecting frames. Measure customer for size of eyeglasses and coordinate frames with facial and eye measurements and optical pres
Health Science	Therapeutic Services	29-1041.00	Optometrists	Diagnose, manage, and treat conditions and diseases of the human eye and visual system. Examine eyes and visual system, diagnose problems or impairments, prescribe corrective lenses, and provide treatment. May prescribe therapeutic drugs to treat specific eye conditions.
Health Science	Therapeutic Services	29-1022.00	Oral and Maxillofacial Surgeons	Perform surgery and related procedures on the hard and soft tissues of the oral and maxillofacial regions to treat diseases, injuries, or defects. May diagnose problems of the oral and maxillofacial regions. May perform surgery to improve function or appearance.
Health Science	Therapeutic Services	29-1023.00	Orthodontists	Examine, diagnose, and treat dental malocclusions and oral cavity anomalies. Design and fabricate appliances to realign teeth and jaws to produce and maintain normal function and to improve appearance.
Health Science	Therapeutic Services	29-1242.00	Orthopedic Surgeons, Except Pediatri	Diagnose and perform surgery to treat and prevent rheumatic and other diseases in the musculoskeletal system.
Health Science	Therapeutic Services	29-1299.02	Orthoptists	Diagnose and treat visual system disorders such as binocular vision and eye movement impairments.
Health Science	Therapeutic Services	29-2091.00	Orthotists and Prosthetists	Design, measure, fit, and adapt orthopedic braces, appliances or prostheses, such as limbs or facial parts for patients with disabling conditions.
Health Science	Therapeutic Services	29-1243.00	Pediatric Surgeons	Diagnose and perform surgery to treat fetal abnormalities and birth defects, diseases, and injuries in fetuses, premature and newborn infants, children, and adolescents. Includes all pediatric surgical specialties and subspecialties.
Health Science	Therapeutic Services	29-1221.00	Pediatricians, General	Diagnose, treat, and help prevent diseases and injuries in children. May refer patients to specialists for further diagnosis or treatment, as needed.
Health Science	Therapeutic Services	29-1051.00	Pharmacists	Dispense drugs prescribed by physicians and other health practitioners and provide information to patients about medications and their use. May advise physicians and other health practitioners on the selection, dosage, interactions, and side effects of medications.
Health Science	Therapeutic Services	29-2052.00	Pharmacy Technicians	Prepare medications under the direction of a pharmacist. May measure, mix, count out, label, and record amounts and dosages of medications according to prescription orders.
Health Science	Therapeutic Services	29-1229.04	Physical Medicine and Rehabilitation	Diagnose and treat disorders requiring physiotherapy to provide physical, mental, and occupational rehabilitation.
Health Science	Therapeutic Services	31-2022.00	Physical Therapist Aides	Under close supervision of a physical therapist or physical therapy assistant, perform only delegated, selected, or routine tasks in specific situations. These duties include preparing the patient and the treatment area.
Health Science	Therapeutic Services	31-2021.00	Physical Therapist Assistants	Assist physical therapists in providing physical therapy treatments and procedures. May, in accordance with state laws, assist in the development of treatment plans, carry out routine functions, document the progress of treatment, and modify specific treatments in accordance with patient status and within the scope of treatment plans e
Health Science	Therapeutic Services	29-1123.00	Physical Therapists	Assess, plan, organize, and participate in rehabilitative programs that improve mobility, relieve pain, increase strength, and improve or correct disabling conditions resulting from disease or injury.
Health Science	Therapeutic Services	29-1071.00	Physician Assistants	Provide healthcare services typically performed by a physician, under the supervision of a physician. Conduct complete physicals, provide treatment, and counsel patients. May, in some cases, prescribe medication. Must graduate from an accredited educational program for physician assistants.
Health Science	Therapeutic Services	29-1229.00	Physicians, All Other	All physicians not listed separately.
Health Science	Therapeutic Services	29-1222.00	Physicians, Pathologists	Diagnose diseases and conduct lab tests using organs, body tissues, and fluids. Includes medical examiners.
Health Science	Therapeutic Services	29-1081.00	Podiatrists	Diagnose and treat diseases and deformities of the human foot.
Health Science	Therapeutic Services	29-1229.05	Preventive Medicine Physicians	Apply knowledge of general preventive medicine and public health issues to promote health care to groups or individuals, and aid in the prevention or reduction of risk of disease, injury, disability, or death. May practice population-based medicine or diagnose and treat patients in the context of clinical health promotion and disease pre
Health Science	Therapeutic Services	29-1024.00	Prosthodontists	Diagnose, treat, rehabilitate, design, and fit prostheses that maintain oral function, health, and appearance for patients with clinical conditions associated with teeth, oral and maxillofacial tissues, or the jaw.
Health Science	Therapeutic Services	31-1133.00	Psychiatric Aides	Assist mentally impaired or emotionally disturbed patients, working under direction of nursing and medical staff. May assist with daily living activities, lead patients in educational and recreational activities, or accompany patients to and from examinations and treatments. May restrain violent patients. Includes psychiatric orderlies.
Health Science	Therapeutic Services	29-2053.00	Psychiatric Technicians	Care for individuals with mental or emotional conditions or disabilities, following the instructions of physicians or other health practitioners. Monitor patients' physical and emotional well-being and report to medical staff. May participate in rehabilitation and treatment programs, help with personal hygiene, and administer oral or injec
Health Science	Therapeutic Services	29-1223.00	Psychiatrists	Diagnose, treat, and help prevent mental disorders.
Health Science	Therapeutic Services	29-1124.00	Radiation Therapists	Provide radiation therapy to patients as prescribed by a radiation oncologist according to established practices and standards. Duties may include reviewing prescription and diagnosis; acting as liaison with physician and supportive care personnel; preparing equipment, such as immobilization, treatment, and protection devices; and ma
Health Science	Therapeutic Services	29-1224.00	Radiologists	Diagnose and treat diseases and injuries using medical imaging techniques, such as x rays, magnetic resonance imaging (MRI), nuclear medicine, and ultrasounds. May perform minimally invasive medical procedures and tests.
Health Science	Therapeutic Services	29-1125.00	Recreational Therapists	Plan, direct, or coordinate medically-approved recreation programs for patients in hospitals, nursing homes, or other institutions. Activities include sports, trips, dramatics, social activities, and crafts. May assess a patient condition and recommend appropriate recreational activity.
Health Science	Therapeutic Services	29-1141.00	Registered Nurses	Assess patient health problems and needs, develop and implement nursing care plans, and maintain medical records. Administer nursing care to ill, injured, convalescent, or disabled patients. May advise patients on health maintenance and disease prevention or provide case management. Licensing or registration required.
Health Science	Therapeutic Services	29-1126.00	Respiratory Therapists	Assess, treat, and care for patients with breathing disorders. Assume primary responsibility for all respiratory care modalities, including the supervision of respiratory therapy technicians. Initiate and conduct therapeutic procedures; maintain patient records; and select, assemble, check, and operate equipment.
Health Science	Therapeutic Services	29-1127.00	Speech-Language Pathologists	Assess and treat persons with speech, language, voice, and fluency disorders. May select alternative communication systems and teach their use. May perform research related to speech and language problems.
Health Science	Therapeutic Services	29-1229.06	Sports Medicine Physicians	Diagnose, treat, and help prevent injuries that occur during sporting events, athletic training, and physical activities.
Health Science	Therapeutic Services	29-1249.00	Surgeons, All Other	All surgeons not listed separately.
Health Science; Health Science	Therapeutic Services; Diagnostic Service	29-9093.00	Surgical Assistants	Assist in operations, under the supervision of surgeons. May, in accordance with state laws, help surgeons to make incisions and close surgical sites, manipulate or remove tissues, implant surgical devices or drains, suction the surgical site, place catheters, clamp or cauterize vessels or tissue, and apply dressings to surgical site.
Health Science	Therapeutic Services	29-2055.00	Surgical Technologists	Assist in operations, under the supervision of surgeons, registered nurses, or other surgical personnel. May help set up operating room, prepare and transport patients for surgery, adjust lights and equipment, pass instruments and other supplies to surgeons and surgeons' assistants, hold retractors, cut sutures, and help count sponges, nee
Health Science	Therapeutic Services	29-1129.00	Therapists, All Other	All therapists not listed separately.
Health Science	Therapeutic Services	29-1229.03	Urologists	Diagnose, treat, and help prevent benign and malignant medical and surgical disorders of the genitourinary system and the renal glands.
Health Science	Therapeutic Services	29-1131.00	Veterinarians	Diagnose, treat, or research diseases and injuries of animals. Includes veterinarians who conduct research and development, inspect livestock, or care for pets and companion animals.
Hospitality & Tourism	Lodging	39-6011.00	Baggage Porters and Bellhops	Handle baggage for travelers at transportation terminals or for guests at hotels or similar establishments.
Hospitality & Tourism	Lodging	37-2019.00	Building Cleaning Workers, All Other	All building cleaning workers not listed separately.
Hospitality & Tourism	Lodging	39-6012.00	Concierges	Assist patrons at hotel, apartment, or office building with personal services. May take messages; arrange or give advice on transportation, business services, or entertainment; or monitor guest requests for housekeeping and maintenance.
Hospitality & Tourism	Lodging	37-1011.00	First-Line Supervisors of Housekeepi	Directly supervise and coordinate work activities of cleaning personnel in hotels, hospitals, offices, and other establishments.
Hospitality & Tourism	Lodging	43-4081.00	Hotel, Motel, and Resort Desk Clerks	Accommodate hotel, motel, and resort patrons by registering and assigning rooms to guests, issuing room keys or cards, transmitting and receiving messages, keeping records of occupied rooms and guests' accounts, making and confirming reservations, and presenting statements to and collecting payments from departing guests.
Hospitality & Tourism	Lodging	37-2011.00	Janitors and Cleaners, Except Maids a	Keep buildings in clean and orderly condition. Perform heavy cleaning duties, such as cleaning floors, shampooing rugs, washing walls and glass, and removing rubbish. Duties may include tending furnace and boiler, performing routine maintenance activities, notifying management of need for repairs, and cleaning snow or debris fro
Hospitality & Tourism	Lodging	11-9081.00	Lodging Managers	Plan, direct, or coordinate activities of an organization or department that provides lodging and other accommodations.
Hospitality & Tourism	Lodging	37-2012.00	Maids and Housekeeping Cleaners	Perform any combination of light cleaning duties to maintain private households or commercial establishments, such as hotels and hospitals, in a clean and orderly manner. Duties may include making beds, replenishing linens, cleaning rooms and halls, and vacuuming.
Hospitality & Tourism	Recreation, Amusements & Attractions	39-3091.00	Amusement and Recreation Attendant	Perform a variety of attending duties at amusement or recreation facility. May schedule use of recreation facilities, maintain and provide equipment to participants of sporting events or recreational pursuits, or operate amusement concessions and rides.
Hospitality & Tourism	Recreation, Amusements & Attractions	39-2011.00	Animal Trainers	Train animals for riding, harness, security, performance, or obedience, or for assisting persons with disabilities. Accustom animals to human voice and contact, and condition animals to respond to commands. Train animals according to prescribed standards for show or competition. May train animals to carry pack loads or work as par
Hospitality & Tourism	Recreation, Amusements & Attractions	27-2021.00	Athletes and Sports Competitors	Compete in athletic events.
Hospitality & Tourism	Recreation, Amusements & Attractions	39-3099.00	Entertainment Attendants and Related	All entertainment attendants and related workers not listed separately.
Hospitality & Tourism	Recreation, Amusements & Attractions	39-1013.00	First-Line Supervisors of Gambling S	Directly supervise and coordinate activities of workers in assigned gambling areas. May circulate among tables, observe operations, and ensure that stations and games are covered for each shift. May verify and pay off jackpots. May reset slot machines after payoffs and make repairs or adjustments to slot machines or recommend rem
Hospitality & Tourism	Recreation, Amusements & Attractions	39-3012.00	Gambling and Sports Book Writers an	Post information enabling patrons to wager on various races and sporting events. Assist in the operation of games such as keno and bingo. May operate random number-generating equipment and announce the numbers for patrons. Receive, verify, and record patrons' wagers. Scan and process winning tickets presented by patrons and p
Hospitality & Tourism	Recreation, Amusements & Attractions	43-3041.00	Gambling Cage Workers	In a gambling establishment, conduct financial transactions for patrons. Accept patron's credit application and verify credit references to provide check-cashing authorization or to establish house credit accounts. May reconcile daily summaries of transactions to balance books. May sell gambling chips, tokens, or tickets to patrons, or t
Hospitality & Tourism	Recreation, Amusements & Attractions	41-2012.00	Gambling Change Persons and Booth	Exchange coins, tokens, and chips for patrons' money. May issue payoffs and obtain customer's signature on receipt. May operate a booth in the slot machine area and furnish change persons with money bank at the start of the shift, or count and audit money in drawers.
Hospitality & Tourism	Recreation, Amusements & Attractions	39-3011.00	Gambling Dealers	Operate table games. Stand or sit behind table and operate games of chance by dispensing the appropriate number of cards or blocks to players, or operating other gambling equipment. Distribute winnings or collect players' money or chips. May compare the house's hand against players' hands.
Hospitality & Tourism	Recreation, Amusements & Attractions	11-9071.00	Gambling Managers	Plan, direct, or coordinate gambling operations in a casino. May formulate house rules.
Hospitality & Tourism	Recreation, Amusements & Attractions	39-3019.00	Gambling Service Workers, All Other	All gambling service workers not listed separately.
Hospitality & Tourism	Recreation, Amusements & Attractions	39-3021.00	Motion Picture Projectionists	Set up and operate motion picture projection and related sound reproduction equipment.
Hospitality & Tourism	Recreation, Amusements & Attractions	39-9032.00	Recreation Workers	Conduct recreation activities with groups in public, private, or volunteer agencies or recreation facilities. Organize and promote activities, such as arts and crafts, sports, games, music, dramatics, social recreation, camping, and hobbies, taking into account the needs and interests of individual members.
Hospitality & Tourism	Recreation, Amusements & Attractions	27-2023.00	Umpires, Referees, and Other Sports (	Officiate at competitive athletic or sporting events. Detect infractions of rules and decide penalties according to established regulations. Includes all sporting officials, referees, and competition judges.
Hospitality & Tourism	Recreation, Amusements & Attractions	39-3031.00	Ushers, Lobby Attendants, and Ticket	Assist patrons at entertainment events by performing duties, such as collecting admission tickets and passes from patrons, assisting in finding seats, searching for lost articles, and helping patrons locate such facilities as restrooms and telephones.
Hospitality & Tourism	Restaurants and Food/Beverage Services	51-3011.00	Bakers	Mix and bake ingredients to produce breads, rolls, cookies, cakes, pies, pastries, or other baked goods.
Hospitality & Tourism	Restaurants and Food/Beverage Services	35-3023.01	Baristas	Prepare or serve specialty coffee or other beverages. Serve food such as baked goods or sandwiches to patrons.
Hospitality & Tourism	Restaurants and Food/Beverage Services	35-3011.00	Bartenders	Mix and serve drinks to patrons, directly or through waitstaff.
Hospitality & Tourism	Restaurants and Food/Beverage Services	35-1011.00	Chefs and Head Cooks	Direct and may participate in the preparation, seasoning, and cooking of salads, soups, fish, meats, vegetables, desserts, or other foods. May plan and price menu items, order supplies, and keep records and accounts.
Hospitality & Tourism	Restaurants and Food/Beverage Services	35-2019.00	Cooks, All Other	All cooks not listed separately.
Hospitality & Tourism	Restaurants and Food/Beverage Services	35-2011.00	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 basic items and normally involve operating large-volume single-purpose cooking equipment.
Hospitality & Tourism	Restaurants and Food/Beverage Services	35-2012.00	Cooks, Institution and Cafeteria	Prepare and cook large quantities of food for institutions, such as schools, hospitals, or cafeterias.
Hospitality & Tourism	Restaurants and Food/Beverage Services	35-2013.00	Cooks, Private Household	Prepare meals in private homes. Includes personal chefs.
Hospitality & Tourism	Restaurants and Food/Beverage Services	35-2014.00	Cooks, Restaurant	Prepare, season, and cook dishes such as soups, meats, vegetables, or desserts in restaurants. May order supplies, keep records and accounts, price items on menu, or plan menu.
Hospitality & Tourism	Restaurants and Food/Beverage Services	35-2015.00	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 serve patrons at counters or tables.
Hospitality & Tourism	Restaurants and Food/Beverage Services	35-9011.00	Dining Room and Cafeteria Attendant	Facilitate food service. Clean tables; remove dirty dishes; replace soiled table linens; set tables; replenish supply of clean linens, silverware, glassware, and dishes; supply service bar with food; and serve items such as water, condiments, and coffee to patrons.
Hospitality & Tourism	Restaurants and Food/Beverage Services	35-9021.00	Dishwashers	Clean dishes, kitchen, food preparation equipment, or utensils.
Hospitality & Tourism	Restaurants and Food/Beverage Services	35-3023.00	Fast Food and Counter Workers	Perform duties such as taking orders and serving food and beverages. Serve customers at counter or from a steam table. May take payment. May prepare food and beverages.
Hospitality & Tourism	Restaurants and Food/Beverage Services	35-1012.00	First-Line Supervisors of Food Prepar	Directly supervise and coordinate activities of workers engaged in preparing and serving food.
Hospitality & Tourism	Restaurants and Food/Beverage Services	35-9099.00	Food Preparation and Serving Related	All food preparation and serving related workers not listed separately.
Hospitality & Tourism	Restaurants and Food/Beverage Services	35-2021.00	Food Preparation Workers	Perform a variety of food preparation duties other than cooking, such as preparing cold foods and shellfish, slicing meat, and brewing coffee or tea.
Hospitality & Tourism	Restaurants and Food/Beverage Services	35-3041.00	Food Servers, Nonrestaurant	Serve food to individuals outside of a restaurant environment, such as in hotel rooms, hospital rooms, residential care facilities, or cars.
Hospitality & Tourism	Restaurants and Food/Beverage Services	11-9051.00	Food Service Managers	Plan, direct, or coordinate activities of an organization or department that serves food and beverages.
Hospitality & Tourism	Restaurants and Food/Beverage Services	35-9031.00	Hosts and Hostesses, Restaurant, Lou	Welcome patrons, seat them at tables or in lounge, and help ensure quality of facilities and service.
Hospitality & Tourism	Restaurants and Food/Beverage Services	35-3031.00	Waiters and Waitresses	Take orders and serve food and beverages to patrons at tables in dining establishment.
Hospitality & Tourism	Travel & Tourism	43-4181.00	Reservation and Transportation Ticket	Make and confirm reservations for transportation or lodging, or sell transportation tickets. May check baggage and direct passengers to designated concourse, pier, or track; deliver tickets and contact individuals and groups to inform them of package tours; or provide tourists with travel or transportation information.
Hospitality & Tourism	Travel & Tourism	39-7011.00	Tour Guides and Escorts	Escort individuals or groups on sightseeing tours or through places of interest, such as industrial establishments, public buildings, and art galleries.
Hospitality & Tourism	Travel & Tourism	41-3041.00	Travel Agents	Plan and sell transportation and accommodations for customers. Determine destination, modes of transportation, travel dates, costs, and accommodations required. May also describe, plan, and arrange itineraries and sell tour packages. May assist in resolving clients' travel problems.
Hospitality & Tourism	Travel & Tourism	39-7012.00	Travel Guides	Plan, organize, and conduct long-distance travel, tours, and expeditions for individuals and groups.
Human Services	Consumer Services	13-2071.00	Credit Counselors	Advise and educate individuals or organizations on acquiring and managing debt. May provide guidance in determining the best type of loan and explain loan requirements or restrictions. May help develop debt management plans or student financial aid packages. May advise on credit issues, or provide budget, mortgage, bankruptcy,
Human Services	Counseling & Mental Health Services	19-3033.00	Clinical and Counseling Psychologist	Assess, diagnose, and treat mental and emotional disorders of individuals through observation, interview, and psychological tests. Help individuals with distress or maladjustment understand their problems through their knowledge of case history, interviews with patients, and theory. Provide individual or group counseling services to a
Human Services	Counseling & Mental Health Services	19-3039.03	Clinical Neuropsychologists	Assess and diagnose patients with neurobehavioral problems related to acquired or developmental disorders of the nervous system, such as neurodegenerative disorders, traumatic brain injury, seizure disorders, and learning disabilities. Recommend treatment after diagnosis, such as therapy, medication, or surgery. Assist with evaluatio
Human Services	Counseling & Mental Health Services	21-1019.00	Counselors, All Other	All counselors not listed separately.
Human Services	Counseling & Mental Health Services	19-3032.00	Industrial-Organizational Psychologis	Apply principles of psychology to human resources, administration, management, sales, and marketing problems. Activities may include policy planning; employee testing and selection, training, and development; and organizational development and analysis. May work with management to organize the work setting to improve work
Human Services	Counseling & Mental Health Services	21-1013.00	Marriage and Family Therapists	Diagnose and treat mental and emotional disorders, whether cognitive, affective, or behavioral, within the context of marriage and family systems. Apply psychotherapeutic and family systems theories and techniques in the delivery of services to individuals, couples, and families for the purpose of treating such diagnosed nervous and
Human Services	Counseling & Mental Health Services	21-1023.00	Mental Health and Substance Abuse S	Assess and treat individuals with mental, emotional, or substance abuse problems, including abuse of alcohol, tobacco, and/or other drugs. Activities may include individual and group therapy, crisis intervention, case management, client advocacy, prevention, and education.
Human Services	Counseling & Mental Health Services	21-1014.00	Mental Health Counselors	Counsel and advise individuals and groups to promote optimum mental and emotional health, with an emphasis on prevention. May help individuals deal with a broad range of mental health issues, such as those associated with addictions and substance abuse; family, parenting, and marital problems; stress management; self-esteem; o
Human Services	Counseling & Mental Health Services	19-3039.02	Neuropsychologists	Apply theories and principles of neuropsychology to evaluate and diagnose disorders of higher cerebral functioning, often in research and medical settings. Study the human brain and the effect of physiological states on human cognition and behavior. May formulate and administer programs of treatment.
Human Services	Counseling & Mental Health Services	19-3039.00	Psychologists, All Other	All psychologists not listed separately.
Human Services	Counseling & Mental Health Services	21-1015.00	Rehabilitation Counselors	Counsel individuals to maximize the independence and employability of persons coping with personal, social, and vocational difficulties that result from birth defects, illness, disease, accidents, aging, or the stress of daily life. Coordinate activities for residents of care and treatment facilities. Assess client needs and design and implem
Human Services	Counseling & Mental Health Services	19-3034.00	School Psychologists	Diagnose and implement individual or schoolwide interventions or strategies to address educational, behavioral, or developmental issues that adversely impact educational functioning in a school. May address student learning and behavioral problems and counsel students or families. May design and implement performance plans, an
Human Services	Counseling & Mental Health Services	21-1011.00	Substance Abuse and Behavioral Disc	Counsel and advise individuals with alcohol, tobacco, drug, or other problems, such as gambling and eating disorders. May counsel individuals, families, or groups or engage in prevention programs.
Human Services	Early Childhood Development & Service	39-9011.00	Childcare Workers	Attend to children at schools, businesses, private households, and childcare institutions. Perform a variety of tasks, such as dressing, feeding, bathing, and overseeing play.
Human Services	Early Childhood Development & Service	39-9011.01	Nannies	Care for children in private households and provide support and expertise to parents in satisfying children's physical, emotional, intellectual, and social needs. Duties may include meal planning and preparation, laundry and clothing care, organization of play activities and outings, discipline, intellectual stimulation, language activities,
Human Services	Family & Community Services	21-1021.00	Child, Family, and School Social Wor	Provide social services and assistance to improve the social and psychological functioning of children and their families and to maximize the family well-being and the academic functioning of children. May assist parents, arrange adoptions, and find foster homes for abandoned or abused children. In schools, they address such problem
Human Services	Family & Community Services	21-2011.00	Clergy	Conduct religious worship and perform other spiritual functions associated with beliefs and practices of religious faith or denomination. Provide spiritual and moral guidance and assistance to members.
Human Services	Family & Community Services	21-1099.00	Community and Social Service Specia	All community and social service specialists not listed separately.
Human Services	Family & Community Services	21-1094.00	Community Health Workers	Promote health within a community by assisting individuals to adopt healthy behaviors. Serve as an advocate for the health needs of individuals by assisting community residents in effectively communicating with healthcare providers or social service agencies. Act as liaison or advocate and implement programs that promote, maintai
Human Services	Family & Community Services	21-2021.00	Directors, Religious Activities and Ed	Coordinate or design programs and conduct outreach to promote the religious education or activities of a denominational group. May provide counseling, guidance, and leadership relative to marital, health, financial, and religious problems.
Human Services	Family & Community Services	21-1091.00	Health Education Specialists	Provide and manage health education programs that help individuals, families, and their communities maximize and maintain healthy lifestyles. Use data to identify community needs prior to planning, implementing, monitoring, and evaluating programs designed to encourage healthy lifestyles, policies, and environments. May link he
Human Services	Family & Community Services	21-1022.00	Healthcare Social Workers	Provide individuals, families, and groups with the psychosocial support needed to cope with chronic, acute, or terminal illnesses. Services include advising family caregivers. Provide patients with information and counseling, and make referrals for other services. May also provide case and care management or interventions designed t
Human Services	Family & Community Services	21-2099.00	Religious Workers, All Other	All religious workers not listed separately.
Human Services	Family & Community Services	11-9151.00	Social and Community Service Manag	Plan, direct, or coordinate the activities of a social service program or community outreach organization. Oversee the program or organization's budget and policies regarding participant involvement, program requirements, and benefits. Work may involve directing social workers, counselors, or probation officers.
Human Services	Family & Community Services	21-1093.00	Social and Human Service Assistants	Assist other social and human service providers in providing client services in a wide variety of fields, such as psychology, rehabilitation, or social work, including support for families. May assist clients in identifying and obtaining available benefits and social and community services. May assist social workers with developing, organ
Human Services	Family & Community Services	21-1029.00	Social Workers, All Other	All social workers not listed separately.
Human Services	Personal Care Services	39-5011.00	Barbers	Provide barbering services, such as cutting, trimming, shampooing, and styling hair; trimming beards; or giving shaves.
Human Services	Personal Care Services	39-4012.00	Crematory Operators	Operate crematory equipment to reduce human or animal remains to bone fragments in accordance with state and local regulations. Duties may include preparing the body for cremation and performing general maintenance on crematory equipment. May use traditional flame-based cremation, calcination, or alkaline hydrolysis.
Human Services	Personal Care Services	39-4011.00	Embalmers	Prepare bodies for interment in conformity with legal requirements.
Human Services	Personal Care Services	39-9031.00	Exercise Trainers and Group Fitness I	Instruct or coach groups or individuals in exercise activities for the primary purpose of personal fitness. Demonstrate techniques and form, observe participants, and explain to them corrective measures necessary to improve their skills. Develop and implement individualized approaches to exercise.
Human Services	Personal Care Services	39-1014.00	First-Line Supervisors of Entertainme	Directly supervise and coordinate activities of entertainment and recreation related workers.
Human Services; Transportation, Distribution & Logistics	Personal Care Services; Transportation O	53-1044.00	First-Line Supervisors of Passenger A	Supervise and coordinate activities of passenger attendants.
Human Services	Personal Care Services	39-1022.00	First-Line Supervisors of Personal Ser	Supervise and coordinate activities of personal service workers.
Human Services	Personal Care Services	39-4021.00	Funeral Attendants	Perform a variety of tasks during funeral, such as placing casket in parlor or chapel prior to service, arranging floral offerings or lights around casket, directing or escorting mourners, closing casket, and issuing and storing funeral equipment.
Human Services	Personal Care Services	11-9171.00	Funeral Home Managers	Plan, direct, or coordinate the services or resources of funeral homes. Includes activities such as determining prices for services or merchandise and managing the facilities of funeral homes.
Human Services	Personal Care Services	39-5012.00	Hairdressers, Hairstylists, and Cosmet	Provide beauty services, such as cutting, coloring, and styling hair, and massaging and treating scalp. May shampoo hair, apply makeup, dress wigs, remove hair, and provide nail and skincare services.
Human Services	Personal Care Services	51-6011.00	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, suede, leather, furs, blankets, draperies, linens, rugs, and carpets. Includes spotters and dyers of these articles.
Human Services	Personal Care Services	39-3093.00	Locker Room, Coatroom, and Dressin	Provide personal items to patrons or customers in locker rooms, dressing rooms, or coatrooms.
Human Services	Personal Care Services	39-5092.00	Manicurists and Pedicurists	Clean and shape customers' fingernails and toenails. May polish or decorate nails.
Human Services	Personal Care Services	31-9011.00	Massage Therapists	Perform therapeutic massages of soft tissues and joints. May assist in the assessment of range of motion and muscle strength, or propose client therapy plans.
Human Services	Personal Care Services	39-4031.00	Morticians, Undertakers, and Funeral	Perform various tasks to arrange and direct individual funeral services, such as coordinating transportation of body to mortuary, interviewing family or other authorized person to arrange details, selecting pallbearers, aiding with the selection of officials for religious rites, and providing transportation for mourners.
Human Services	Personal Care Services	31-1122.00	Personal Care Aides	Provide personalized assistance to individuals with disabilities or illness who require help with personal care and activities of daily living support (e.g., feeding, bathing, dressing, grooming, toileting, and ambulation). May also provide help with tasks such as preparing meals, doing light housekeeping, and doing laundry. Work is perfo
Human Services	Personal Care Services	39-9099.00	Personal Care and Service Workers, A	All personal care and service workers not listed separately.
Human Services	Personal Care Services	51-6021.00	Pressers, Textile, Garment, and Relate	Press or shape articles by hand or machine.
Human Services	Personal Care Services	39-9041.00	Residential Advisors	Coordinate activities in resident facilities in secondary school and college dormitories, group homes, or similar establishments. Order supplies and determine need for maintenance, repairs, and furnishings. May maintain household records and assign rooms. May assist residents with problem solving or refer them to counseling resourc
Human Services	Personal Care Services	39-5093.00	Shampooers	Shampoo and rinse customers' hair.
Human Services	Personal Care Services	39-5094.00	Skincare Specialists	Provide skincare treatments to face and body to enhance an individual's appearance. Includes electrologists and laser hair removal specialists.
Human Services	Personal Care Services	11-9179.02	Spa Managers	Plan, direct, or coordinate activities of a spa facility. Coordinate programs, schedule and direct staff, and oversee financial activities.
Human Services	Personal Care Services	51-6052.00	Tailors, Dressmakers, and Custom Sev	Design, make, alter, repair, or fit garments.
Information Technology	Information Support and Services	15-2051.01	Business Intelligence Analysts	Produce financial and market intelligence by querying data repositories and generating periodic reports. Devise methods for identifying data patterns and trends in available information sources.
Information Technology	Information Support and Services	15-1299.08	Computer Systems Engineers/Archite	Design and develop solutions to complex applications problems, system administration issues, or network concerns. Perform systems management and integration functions.
Information Technology	Information Support and Services	15-1232.00	Computer User Support Specialists	Provide technical assistance to computer users. Answer questions or resolve computer problems for clients in person, via telephone, or electronically. May provide assistance concerning the use of computer hardware and software, including printing, installation, word processing, electronic mail, and operating systems.

Information Technology	Information Support and Services	15-1243.01	Data Warehousing Specialists	Design, model, or implement corporate data warehousing activities. Program and configure warehouses of database information and provide support to warehouse users.
Information Technology	Information Support and Services	15-1299.03	Document Management Specialists	Implement and administer enterprise-wide document management systems and related procedures that allow organizations to capture, store, retrieve, share, and destroy electronic records and documents.
Information Technology	Information Support and Services	15-1299.02	Geographic Information Systems Tecl	Assist scientists or related professionals in building, maintaining, modifying, or using geographic information systems (GIS) databases. May also perform some custom application development or provide user support.
Information Technology	Information Support and Services	15-1299.09	Information Technology Project Mana	Plan, initiate, and manage information technology (IT) projects. Lead and guide the work of technical staff. Serve as liaison between business and technical aspects of projects. Plan project stages and assess business implications for each stage. Monitor progress to assure deadlines, standards, and cost targets are met.
Information Technology	Information Support and Services	13-1161.01	Search Marketing Strategists	Employ search marketing tactics to increase visibility and engagement with content, products, or services in Internet-enabled devices or interfaces. Examine search query behaviors on general or specialty search engines or other Internet-based content. Analyze research, data, or technology to understand user intent and measure outcon
Information Technology; Information Technology	Information Support and Services; Progra	15-1253.00	Software Quality Assurance Analysts	Develop and execute software tests to identify software problems and their causes. Test system modifications to prepare for implementation. Document software and application defects using a bug tracking system and report defects to software or web developers. Create and maintain databases of known defects. May participate in sof
Information Technology	Information Support and Services	15-1255.01	Video Game Designers	Design core features of video games. Specify innovative game and role-play mechanics, story lines, and character biographies. Create and maintain design documentation. Guide and collaborate with production staff to produce games as designed.
Information Technology	Information Support and Services	15-1299.01	Web Administrators	Manage web environment design, deployment, development and maintenance activities. Perform testing and quality assurance of web sites and web applications.
Information Technology; Information Technology	Information Support and Services; Web a	15-1255.00	Web and Digital Interface Designers	Design digital user interfaces or websites. Develop and test layouts, interfaces, functionality, and navigation menus to ensure compatibility and usability across browsers or devices. May use web framework applications as well as client-side code and processes. May evaluate web design following web and accessibility standards, and r
Information Technology	Network Systems	15-1241.00	Computer Network Architects	Design and implement computer and information networks, such as local area networks (LAN), wide area networks (WAN), intranets, extranets, and other data communications networks. Perform network modeling, analysis, and planning, including analysis of capacity needs for network infrastructures. May also design network and c
Information Technology	Network Systems	15-1231.00	Computer Network Support Specialist	Analyze, test, troubleshoot, and evaluate existing network systems, such as local area networks (LAN), wide area networks (WAN), cloud networks, servers, and other data communications networks. Perform network maintenance to ensure networks operate correctly with minimal interruption.
Information Technology	Network Systems	15-1242.00	Database Administrators	Administer, test, and implement computer databases, applying knowledge of database management systems. Coordinate changes to computer databases. Identify, investigate, and resolve database performance issues, database capacity, and database scalability. May plan, coordinate, and implement security measures to safeguard compu
Information Technology; Information Technology	Network Systems; Information Support a	15-1243.00	Database Architects	Design strategies for enterprise databases, data warehouse systems, and multidimensional networks. Set standards for database operations, programming, query processes, and security. Model, design, and construct large relational databases or data warehouses. Create and optimize data models for warehouse infrastructure and workflo
Information Technology	Network Systems	15-1212.00	Information Security Analysts	Plan, implement, upgrade, or monitor security measures for the protection of computer networks and information. Assess system vulnerabilities for security risks and propose and implement risk mitigation strategies. May ensure appropriate security controls are in place that will safeguard digital files and vital electronic infrastructure.
Information Technology	Network Systems	15-1244.00	Network and Computer Systems Adm	Install, configure, and maintain an organization's local area network (LAN), wide area network (WAN), data communications network, operating systems, and physical and virtual servers. Perform system monitoring and verify the integrity and availability of hardware, network, and server resources and systems. Review system and ap
Information Technology	Network Systems	15-1241.01	Telecommunications Engineering Spe	Design or configure wired, wireless, and satellite communications systems for voice, video, and data services. Supervise installation, service, and maintenance.
Information Technology	Programming and Software Development	15-1251.00	Computer Programmers	Create, modify, and test the code and scripts that allow computer applications to run. Work from specifications drawn up by software and web developers or other individuals. May develop and write computer programs to store, locate, and retrieve specific documents, data, and information.
Information Technology	Programming and Software Development	15-1211.00	Computer Systems Analysts	Analyze science, engineering, business, and other data processing problems to develop and implement solutions to complex applications problems, system administration issues, or network concerns. Perform systems management and integration functions, improve existing computer systems, and review computer system capabilities,
Information Technology	Programming and Software Development	15-1211.01	Health Informatics Specialists	Apply knowledge of nursing and informatics to assist in the design, development, and ongoing modification of computerized health care systems. May educate staff and assist in problem solving to promote the implementation of the health care system.
Information Technology	Programming and Software Development	15-1252.00	Software Developers	Research, design, and develop computer and network software or specialized utility programs. Analyze user needs and develop software solutions, applying principles and techniques of computer science, engineering, and mathematical analysis. Update software or enhance existing software capabilities. May work with computer hardv
Information Technology	Web and Digital Communications	15-1254.00	Web Developers	Develop and implement websites, web applications, application databases, and interactive web interfaces. Evaluate code to ensure that it is properly structured, meets industry standards, and is compatible with browsers and devices. Optimize website performance, scalability, and server-side code and processes. May develop website ir
Law, Public Safety, Corrections & Security	Correction Services	33-3012.00	Correctional Officers and Jailers	Guard inmates in penal or rehabilitative institutions in accordance with established regulations and procedures. May guard prisoners in transit between jail, courtroom, prison, or other point. Includes deputy sheriffs and police who spend the majority of their time guarding prisoners in correctional institutions.
Law, Public Safety, Corrections & Security	Correction Services	33-1011.00	First-Line Supervisors of Correctional	Directly supervise and coordinate activities of correctional officers and jailers.
Law, Public Safety, Corrections & Security	Correction Services	21-1092.00	Probation Officers and Correctional T	Provide social services to assist in rehabilitation of law offenders in custody or on probation or parole. Make recommendations for actions involving formulation of rehabilitation plan and treatment of offender, including conditional release and education and employment stipulations.
Law, Public Safety, Corrections & Security	Emergency and Fire Management Servic	29-2042.00	Emergency Medical Technicians	Assess injuries and illnesses and administer basic emergency medical care. May transport injured or sick persons to medical facilities.
Law, Public Safety, Corrections & Security	Emergency and Fire Management Servic	33-2021.00	Fire Inspectors and Investigators	Inspect buildings to detect fire hazards and enforce local ordinances and state laws, or investigate and gather facts to determine cause of fires and explosions.
Law, Public Safety, Corrections & Security	Emergency and Fire Management Servic	33-2011.00	Firefighters	Control and extinguish fires or respond to emergency situations where life, property, or the environment is at risk. Duties may include fire prevention, emergency medical service, hazardous material response, search and rescue, and disaster assistance.
Law, Public Safety, Corrections & Security	Emergency and Fire Management Servic	33-1021.00	First-Line Supervisors of Firefighting	Directly supervise and coordinate activities of workers engaged in firefighting and fire prevention and control.
Law, Public Safety, Corrections & Security	Emergency and Fire Management Servic	33-2022.00	Forest Fire Inspectors and Prevention	Enforce fire regulations, inspect forest for fire hazards, and recommend forest fire prevention or control measures. May report forest fires and weather conditions.
Law, Public Safety, Corrections & Security	Emergency and Fire Management Servic	29-2043.00	Paramedics	Administer basic or advanced emergency medical care and assess injuries and illnesses. May administer medication intravenously, use equipment such as EKGs, or administer advanced life support to sick or injured individuals.
Law, Public Safety, Corrections & Security	Emergency and Fire Management Servic	43-5031.00	Public Safety Telecommunicators	Operate telephone, radio, or other communication systems to receive and communicate requests for emergency assistance at 9-1-1 public safety answering points and emergency operations centers. Take information from the public and other sources regarding crimes, threats, disturbances, acts of terrorism, fires, medical emergencies, a
Law, Public Safety, Corrections & Security	Law Enforcement Services	33-9011.00	Animal Control Workers	Handle animals for the purpose of investigations of mistreatment, or control of abandoned, dangerous, or unattended animals.
Law, Public Safety, Corrections & Security	Law Enforcement Services	33-3051.04	Customs and Border Protection Office	Investigate and inspect persons, common carriers, goods, and merchandise, arriving in or departing from the United States or between states to detect violations of immigration and customs laws and regulations.
Law, Public Safety, Corrections & Security	Law Enforcement Services	33-3021.00	Detectives and Criminal Investigators	Conduct investigations related to suspected violations of federal, state, or local laws to prevent or solve crimes.
Law, Public Safety, Corrections & Security	Law Enforcement Services	33-1012.00	First-Line Supervisors of Police and I	Directly supervise and coordinate activities of members of police force.
Law, Public Safety, Corrections & Security	Law Enforcement Services	33-3031.00	Fish and Game Wardens	Patrol assigned area to prevent fish and game law violations. Investigate reports of damage to crops or property by wildlife. Compile biological data.
Law, Public Safety, Corrections & Security	Law Enforcement Services	19-4092.00	Forensic Science Technicians	Collect, identify, classify, and analyze physical evidence related to criminal investigations. Perform tests on weapons or substances, such as fiber, hair, and tissue to determine significance to investigation. May testify as expert witnesses on evidence or crime laboratory techniques. May serve as specialists in area of expertise, such as b
Law, Public Safety, Corrections & Security	Law Enforcement Services	33-3021.06	Intelligence Analysts	Gather, analyze, or evaluate information from a variety of sources, such as law enforcement databases, surveillance, intelligence networks or geographic information systems. Use intelligence data to anticipate and prevent organized crime activities, such as terrorism.
Law, Public Safety, Corrections & Security	Law Enforcement Services	33-3041.00	Parking Enforcement Workers	Patrol assigned area, such as public parking lot or city streets to issue tickets to overtime parking violators and illegally parked vehicles.
Law, Public Safety, Corrections & Security	Law Enforcement Services	33-3051.00	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 combination of the following duties: patrol a specific area; direct traffic; issue traffic summonses; investigate accidents; apprehend and arrest suspects, or serve legal processes of courts. Includes police officers workin
Law, Public Safety, Corrections & Security	Law Enforcement Services	33-3021.02	Police Identification and Records Offi	Collect evidence at crime scene, classify and identify fingerprints, and photograph evidence for use in criminal and civil cases.
Law, Public Safety, Corrections & Security	Law Enforcement Services	33-9021.00	Private Detectives and Investigators	Gather, analyze, compile, and report information regarding individuals or organizations to clients, or detect occurrences of unlawful acts or infractions of rules in private establishment.
Law, Public Safety, Corrections & Security	Law Enforcement Services	33-3052.00	Transit and Railroad Police	Protect and police railroad and transit property, employees, or passengers.
Law, Public Safety, Corrections & Security	Legal Services	23-1021.00	Administrative Law Judges, Adjudica	Conduct hearings to recommend or make decisions on claims concerning government programs or other government-related matters. Determine liability, sanctions, or penalties, or recommend the acceptance or rejection of claims or settlements.
Law, Public Safety, Corrections & Security	Legal Services	23-1022.00	Arbitrators, Mediators, and Conciliato	Facilitate negotiation and conflict resolution through dialogue. Resolve conflicts outside of the court system by mutual consent of parties involved.
Law, Public Safety, Corrections & Security	Legal Services	27-3092.00	Court Reporters and Simultaneous Ca	Use verbatim methods and equipment to capture, store, retrieve, and transcribe pretrial and trial proceedings or other information. Includes stenocaptioners who operate computerized stenographic captioning equipment to provide captions of live or prerecorded broadcasts for hearing-impaired viewers.
Law, Public Safety, Corrections & Security	Legal Services	23-1023.00	Judges, Magistrate Judges, and Magis	Arbitrate, advise, adjudicate, or administer justice in a court of law. May sentence defendant in criminal cases according to government statutes or sentencing guidelines. May determine liability of defendant in civil cases. May perform wedding ceremonies.
Law, Public Safety, Corrections & Security	Legal Services	23-1012.00	Judicial Law Clerks	Assist judges in court or by conducting research or preparing legal documents.
Law, Public Safety, Corrections & Security	Legal Services	23-1011.00	Lawyers	Represent clients in criminal and civil litigation and other legal proceedings, draw up legal documents, or manage or advise clients on legal transactions. May specialize in a single area or may practice broadly in many areas of law.
Law, Public Safety, Corrections & Security	Legal Services	43-6012.00	Legal Secretaries and Administrative A	Perform secretarial duties using legal terminology, procedures, and documents. Prepare legal papers and correspondence, such as summonses, complaints, motions, and subpoenas. May also assist with legal research.
Law, Public Safety, Corrections & Security	Legal Services	23-2099.00	Legal Support Workers, All Other	All legal support workers not listed separately.
Law, Public Safety, Corrections & Security	Legal Services	23-2011.00	Paralegals and Legal Assistants	Assist lawyers by investigating facts, preparing legal documents, or researching legal precedent. Conduct research to support a legal proceeding, to formulate a defense, or to initiate legal action.
Law, Public Safety, Corrections & Security	Legal Services	23-2093.00	Title Examiners, Abstractors, and Sea	Search real estate records, examine titles, or summarize pertinent legal or insurance documents or details for a variety of purposes. May compile lists of mortgages, contracts, and other instruments pertaining to titles by searching public and private records for law firms, real estate agencies, or title insurance companies.
Law, Public Safety, Corrections & Security	Security & Protective Services	33-3011.00	Bailiffs	Maintain order in courts of law.
Law, Public Safety, Corrections & Security	Security & Protective Services	33-9091.00	Crossing Guards and Flaggers	Guide or control vehicular or pedestrian traffic at such places as streets, schools, railroad crossings, or construction sites.
Law, Public Safety, Corrections & Security	Security & Protective Services	33-1099.00	First-Line Supervisors of Protective S	All protective service supervisors not listed separately above.
Law, Public Safety, Corrections & Security	Security & Protective Services	33-1091.00	First-Line Supervisors of Security Wo	Directly supervise and coordinate activities of security workers and security guards.
Law, Public Safety, Corrections & Security	Security & Protective Services	33-9031.00	Gambling Surveillance Officers and C	Observe gambling operation for irregular activities such as cheating or theft by either employees or patrons. Investigate potential threats to gambling assets such as money, chips, and gambling equipment. Act as oversight and security agent for management and customers.
Law, Public Safety, Corrections & Security	Security & Protective Services	33-9092.00	Lifeguards, Ski Patrol, and Other Rec	Monitor recreational areas, such as pools, beaches, or ski slopes, to provide assistance and protection to participants.
Law, Public Safety, Corrections & Security	Security & Protective Services	33-9099.00	Protective Service Workers, All Other	All protective service workers not listed separately.
Law, Public Safety, Corrections & Security	Security & Protective Services	33-9099.02	Retail Loss Prevention Specialists	Implement procedures and systems to prevent merchandise loss. Conduct audits and investigations of employee activity. May assist in developing policies, procedures, and systems for safeguarding assets.
Law, Public Safety, Corrections & Security	Security & Protective Services	33-9094.00	School Bus Monitors	Maintain order among students on a school bus. Duties include helping students safely board and exit and communicating behavioral problems. May perform pretrip and posttrip inspections and prepare for and assist in emergency evacuations.
Law, Public Safety, Corrections & Security	Security & Protective Services	33-9032.00	Security Guards	Guard, patrol, or monitor premises to prevent theft, violence, or infractions of rules. May operate x-ray and metal detector equipment.
Manufacturing	Maintenance, Installation & Repair	49-2097.00	Audiovisual Equipment Installers and	Install, repair, or adjust audio or television receivers, stereo systems, camcorders, video systems, or other electronic entertainment equipment in homes or other venues. May perform routine maintenance.
Manufacturing	Maintenance, Installation & Repair	49-9061.00	Camera and Photographic Equipment	Repair and adjust cameras and photographic equipment, including commercial video and motion picture camera equipment.
Manufacturing	Maintenance, Installation & Repair	49-9091.00	Coin, Vending, and Amusement Mach	Install, service, adjust, or repair coin, vending, or amusement machines including video games, juke boxes, pinball machines, or slot machines.
Manufacturing	Maintenance, Installation & Repair	49-2011.00	Computer, Automated Teller, and Offi	Repair, maintain, or install computers, word processing systems, automated teller machines, and electronic office machines, such as duplicating and fax machines.
Manufacturing	Maintenance, Installation & Repair	49-2092.00	Electric Motor, Power Tool, and Relat	Repair, maintain, or install electric motors, wiring, or switches.
Manufacturing	Maintenance, Installation & Repair	49-2094.00	Electrical and Electronics Repairers, C	Repair, test, adjust, or install electronic equipment, such as industrial controls, transmitters, and antennas.
Manufacturing	Maintenance, Installation & Repair	49-2095.00	Electrical and Electronics Repairers, I	Inspect, test, repair, or maintain electrical equipment in generating stations, substations, and in-service relays.
Manufacturing	Maintenance, Installation & Repair	49-1011.00	First-Line Supervisors of Mechanics,	Directly supervise and coordinate the activities of mechanics, installers, and repairers. May also advise customers on recommended services. Excludes team or work leaders.
Manufacturing	Maintenance, Installation & Repair	49-9099.01	Geothermal Technicians	Perform technical activities at power plants or individual installations necessary for the generation of power from geothermal energy sources. Monitor and control operating activities at geothermal power generation facilities and perform maintenance and repairs as necessary. Install, test, and maintain residential and commercial geoth
Manufacturing	Maintenance, Installation & Repair	49-9031.00	Home Appliance Repairers	Repair, adjust, or install all types of electric or gas household appliances, such as refrigerators, washers, dryers, and ovens.
Manufacturing	Maintenance, Installation & Repair	49-9041.00	Industrial Machinery Mechanics	Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. May also install, dismantle, or move machinery and heavy equipment according to plans.
Manufacturing	Maintenance, Installation & Repair	49-9099.00	Installation, Maintenance, and Repair	All installation, maintenance, and repair workers not listed separately.
Manufacturing	Maintenance, Installation & Repair	49-9094.00	Locksmiths and Safe Repairers	Repair and open locks, make keys, change locks and safe combinations, and install and repair safes.
Manufacturing	Maintenance, Installation & Repair	49-9071.00	Maintenance and Repair Workers, Ge	Perform work involving the skills of two or more maintenance or craft occupations to keep machines, mechanical equipment, or the structure of a building in repair. Duties may involve pipe fitting; HVAC maintenance; insulating; welding; machining; carpentry; repairing electrical or mechanical equipment; installing, aligning, and bal
Manufacturing	Maintenance, Installation & Repair	49-9043.00	Maintenance Workers, Machinery	Lubricate machinery, change parts, or perform other routine machinery maintenance.
Manufacturing	Maintenance, Installation & Repair	51-9082.00	Medical Appliance Technicians	Construct, maintain, or repair medical supportive devices such as braces, orthotics and prosthetic devices, joints, arch supports, and other surgical and medical appliances.
Manufacturing	Maintenance, Installation & Repair	49-9062.00	Medical Equipment Repairers	Test, adjust, or repair biomedical or electromedical equipment.
Manufacturing	Maintenance, Installation & Repair	49-9063.00	Musical Instrument Repairers and Tur	Repair percussion, stringed, reed, or wind instruments. May specialize in one area, such as piano tuning.
Manufacturing	Maintenance, Installation & Repair	49-3053.00	Outdoor Power Equipment and Other	Diagnose, adjust, repair, or overhaul small engines used to power lawn mowers, chain saws, recreational sporting equipment, and related equipment.
Manufacturing	Maintenance, Installation & Repair	49-9069.00	Precision Instrument and Equipment I	All precision instrument and equipment repairers not listed separately.
Manufacturing	Maintenance, Installation & Repair	49-2021.00	Radio, Cellular, and Tower Equipmen	Repair, install, or maintain mobile or stationary radio transmitting, broadcasting, and receiving equipment, and two-way radio communications systems used in cellular telecommunications, mobile broadband, ship-to-shore, aircraft-to-ground communications, and radio equipment in service and emergency vehicles. May test and analy
Manufacturing	Maintenance, Installation & Repair	49-2098.00	Security and Fire Alarm Systems Insta	Install, program, maintain, and repair security and fire alarm wiring and equipment. Ensure that work is in accordance with relevant codes.
Manufacturing	Maintenance, Installation & Repair	49-9064.00	Watch and Clock Repairers	Repair, clean, and adjust mechanisms of timing instruments, such as watches and clocks. Includes watchmakers, watch technicians, and mechanical timepiece repairers.
Manufacturing	Maintenance, Installation & Repair	49-9081.00	Wind Turbine Service Technicians	Inspect, diagnose, adjust, or repair wind turbines. Perform maintenance on wind turbine equipment including resolving electrical, mechanical, and hydraulic malfunctions.
Manufacturing	Manufacturing Production Process Devel	17-3021.00	Aerospace Engineering and Operation	Operate, install, adjust, and maintain integrated computer/communications systems, consoles, simulators, and other data acquisition, test, and measurement instruments and equipment, which are used to launch, track, position, and evaluate air and space vehicles. May record and interpret test data.
Manufacturing	Manufacturing Production Process Devel	17-3027.01	Automotive Engineering Technicians	Assist engineers in determining the practicality of proposed product design changes and plan and carry out tests on experimental test devices or equipment for performance, durability, or efficiency.
Manufacturing	Manufacturing Production Process Devel	17-3028.00	Calibration Technologists and Technic	Execute or adapt procedures and techniques for calibrating measurement devices, by applying knowledge of measurement science, mathematics, physics, chemistry, and electronics, sometimes under the direction of engineering staff. Determine measurement standard suitability for calibrating measurement devices. May perform preve
Manufacturing	Manufacturing Production Process Devel	19-4031.00	Chemical Technicians	Conduct chemical and physical laboratory tests to assist scientists in making qualitative and quantitative analyses of solids, liquids, and gaseous materials for research and development of new products or processes, quality control, maintenance of environmental standards, and other work involving experimental, theoretical, or practica
Manufacturing	Manufacturing Production Process Devel	17-3019.00	Drafters, All Other	All drafters not listed separately.
Manufacturing	Manufacturing Production Process Devel	17-3023.00	Electrical and Electronic Engineering	Apply electrical and electronic theory and related knowledge, usually under the direction of engineering staff, to design, build, repair, adjust, and modify electrical components, circuitry, controls, and machinery for subsequent evaluation and use by engineering staff in making engineering design decisions.
Manufacturing	Manufacturing Production Process Devel	17-3012.00	Electrical and Electronics Drafters	Prepare wiring diagrams, circuit board assembly diagrams, and layout drawings used for the manufacture, installation, or repair of electrical equipment.
Manufacturing	Manufacturing Production Process Devel	17-3024.00	Electro-Mechanical and Mechatronics	Operate, test, maintain, or adjust unmanned, automated, servomechanical, or electromechanical equipment. May operate unmanned submarines, aircraft, or other equipment to observe or record visual information at sites such as oil rigs, crop fields, buildings, or for similar infrastructure, deep ocean exploration, or hazardous waste rem
Manufacturing	Manufacturing Production Process Devel	17-3026.00	Industrial Engineering Technologists a	Apply engineering theory and principles to problems of industrial layout or manufacturing production, usually under the direction of engineering staff. May perform time and motion studies on worker operations in a variety of industries for purposes such as establishing standard production rates or improving efficiency.
Manufacturing	Manufacturing Production Process Devel	17-3013.00	Mechanical Drafters	Prepare detailed working diagrams of machinery and mechanical devices, including dimensions, fastening methods, and other engineering information.
Manufacturing	Manufacturing Production Process Devel	17-3027.00	Mechanical Engineering Technologist	Apply theory and principles of mechanical engineering to modify, develop, test, or adjust machinery and equipment under direction of engineering staff or physical scientists.
Manufacturing	Manufacturing Production Process Devel	17-3026.01	Nanotechnology Engineering Technol	Implement production processes and operate commercial-scale production equipment to produce, test, or modify materials, devices, or systems of unique molecular or macromolecular composition. Operate advanced microscopy equipment to manipulate nanoscale objects. Work under the supervision of nanoengineering staff.
Manufacturing	Manufacturing Production Process Devel	17-3029.01	Non-Destructive Testing Specialists	Test the safety of structures, vehicles, or vessels using x-ray, ultrasound, fiber optic or related equipment.
Manufacturing	Manufacturing Production Process Devel	19-4051.02	Nuclear Monitoring Technicians	Collect and test samples to monitor results of nuclear experiments and contamination of humans, facilities, and environment.
Manufacturing	Manufacturing Production Process Devel	19-4051.00	Nuclear Technicians	Assist nuclear physicists, nuclear engineers, or other scientists in laboratory, power generation, or electricity production activities. May operate, maintain, or provide quality control for nuclear testing and research equipment. May monitor radiation.
Manufacturing	Manufacturing Production Process Devel	17-3029.08	Photonics Technicians	Build, install, test, or maintain optical or fiber optic equipment, such as lasers, lenses, or mirrors, using spectrometers, interferometers, or related equipment.
Manufacturing	Manufacturing Production Process Devel	13-1023.00	Purchasing Agents, Except Wholesale	Purchase machinery, equipment, tools, parts, supplies, or services necessary for the operation of an establishment. Purchase raw or semifinished materials for manufacturing. May negotiate contracts.
Manufacturing	Manufacturing Production Process Devel	17-3024.01	Robotics Technicians	Build, install, test, or maintain robotic equipment or related automated production systems.
Manufacturing	Production	51-9191.00	Adhesive Bonding Machine Operator	Operate or tend bonding machines that use adhesives to join items for further processing or to form a completed product. Processes include joining veneer sheets into plywood; gluing paper; or joining rubber and rubberized fabric parts, plastic, simulated leather, or other materials.
Manufacturing	Production	51-2011.00	Aircraft Structure, Surfaces, Rigging,	Assemble, fit, fasten, and install parts of airplanes, space vehicles, or missiles, such as tails, wings, fuselage, bulkheads, stabilizers, landing gear, rigging and control equipment, or heating and ventilating systems.
Manufacturing	Production	51-2099.00	Assemblers and Fabricators, All Other	All assemblers and fabricators not listed separately.
Manufacturing	Production	51-8099.01	Biofuels Processing Technicians	Calculate, measure, load, mix, and process refined feedstock with additives in fermentation or reaction process vessels and monitor production process. Perform, and keep records of, plant maintenance, repairs, and safety inspections.
Manufacturing	Production	51-8013.03	Biomass Plant Technicians	Control and monitor biomass plant activities and perform maintenance as needed.
Manufacturing	Production	51-3021.00	Butchers and Meat Cutters	Cut, trim, or prepare consumer-sized portions of meat for use or sale in retail establishments.
Manufacturing	Production	51-7011.00	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 mortisers to surface, cut, or shape lumber or to fabricate parts for wood products.
Manufacturing	Production	51-9011.00	Chemical Equipment Operators and T	Operate or tend equipment to control chemical changes or reactions in the processing of industrial or consumer products. Equipment used includes devulcanizers, steam-jacketed kettles, and reactor vessels.
Manufacturing	Production	51-8091.00	Chemical Plant and System Operators	Control or operate entire chemical processes or system of machines.
Manufacturing	Production	51-9192.00	Cleaning, Washing, and Metal Picklin	Operate or tend machines to wash or clean products, such as barrels or kegs, glass items, tin plate, food, pulp, coal, plastic, or rubber, to remove impurities.
Manufacturing	Production	51-9124.00	Coating, Painting, and Spraying Mach	Set up, operate, or tend spraying or rolling machines to coat or paint any of a wide variety of products, including glassware, cloth, ceramics, metal, plastic, paper, or wood, with lacquer, silver, copper, rubber, varnish, glaze, enamel, oil, or rust-proofing materials. Includes painters of transportation vehicles such as painters in auto body
Manufacturing	Production	51-2021.00	Coil Winders, Tapers, and Finishers	Wind wire coils used in electrical components, such as resistors and transformers, and in electrical equipment and instruments, such as field cores, bobbins, armature cores, electrical motors, generators, and control equipment.
Manufacturing	Production	51-9161.00	Computer Numerically Controlled To	Operate computer-controlled tools, machines, or robots to machine or process parts, tools, or other work pieces made of metal, plastic, wood, stone, or other materials. May also set up and maintain equipment.
Manufacturing	Production	51-9162.00	Computer Numerically Controlled To	Develop programs to control machining or processing of materials by automatic machine tools, equipment, or systems. May also set up, operate, or maintain equipment.
Manufacturing	Production	51-9193.00	Cooling and Freezing Equipment Ope	Operate or tend equipment such as cooling and freezing units, refrigerators, batch freezers, and freezing tunnels, to cool or freeze products, food, blood plasma, and chemicals.
Manufacturing	Production	51-9021.00	Crushing, Grinding, and Polishing Ma	Set up, operate, or tend machines to crush, grind, or polish materials, such as coal, glass, grain, stone, food, or rubber.
Manufacturing	Production	51-9031.00	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 rubber.
Manufacturing	Production	51-9032.00	Cutting and Slicing Machine Setters,	Set up, operate, or tend machines that cut or slice materials, such as glass, stone, cork, rubber, tobacco, food, paper, or insulating material.
Manufacturing	Production	51-4031.00	Cutting, Punching, and Press Machine	Set up, operate, or tend machines to saw, cut, shear, slit, punch, crimp, notch, bend, or straighten metal or plastic material.
Manufacturing	Production	51-9081.00	Dental Laboratory Technicians	Construct and repair full or partial dentures or dental appliances.
Manufacturing	Production	51-4032.00	Drilling and Boring Machine Tool Set	Set up, operate, or tend drilling machines to drill, bore, ream, mill, or countersink metal or plastic work pieces.
Manufacturing	Production	51-2022.00	Electrical and Electronic Equipment A	Assemble or modify electrical or electronic equipment, such as computers, test equipment telemetering systems, electric motors, and batteries.
Manufacturing	Production	51-2023.00	Electromechanical Equipment Assem	Assemble or modify electromechanical equipment or devices, such as servomechanisms, gyros, dynamometers, magnetic drums, tape drives, brakes, control linkage, actuators, and appliances.
Manufacturing	Production	51-2031.00	Engine and Other Machine Assembler	Construct, assemble, or rebuild machines, such as engines, turbines, and similar equipment used in such industries as construction, extraction, textiles, and paper manufacturing.
Manufacturing	Production	51-9194.00	Etchers and Engravers	Engrave or etch metal, wood, rubber, or other materials. Includes such workers as etcher-circuit processors, pantograph engravers, and silk screen etchers.
Manufacturing	Production	51-4021.00	Extruding and Drawing Machine Sett	Set up, operate, or tend machines to extrude or draw thermoplastic or metal materials into tubes, rods, hoses, wire, bars, or structural shapes.
Manufacturing	Production	51-6091.00	Extruding and Forming Machine Sett	Set up, operate, or tend machines that extrude and form continuous filaments from synthetic materials, such as liquid polymer, rayon, and fiberglass.
Manufacturing	Production	51-9041.00	Extruding, Forming, Pressing, and Co	Set up, operate, or tend machines, such as glass-forming machines, plodder machines, and tuber machines, to shape and form products such as glassware, food, rubber, soap, brick, tile, clay, wax, tobacco, or cosmetics.
Manufacturing	Production	51-6092.00	Fabric and Apparel Patternmakers	Draw and construct sets of precision master fabric patterns or layouts. May also mark and cut fabrics and apparel.
Manufacturing	Production	51-2051.00	Fiberglass Laminators and Fabricators	Laminate layers of fiberglass on molds to form boat decks and hulls, bodies for golf carts, automobiles, or other products.
Manufacturing	Production	51-1011.00	First-Line Supervisors of Production a	Directly supervise and coordinate the activities of production and operating workers, such as inspectors, precision workers, machine setters and operators, assemblers, fabricators, and plant and system operators. Excludes team or work leaders.
Manufacturing	Production	51-3091.00	Food and Tobacco Roasting, Baking, a	Operate or tend food or tobacco roasting, baking, or drying equipment, including hearth ovens, kiln driers, roasters, char kilns, and vacuum drying equipment.
Manufacturing	Production	51-3092.00	Food Batchmakers	Set up and operate equipment that mixes or blends ingredients used in the manufacturing of food products. Includes candy makers and cheese makers.
Manufacturing	Production	51-3093.00	Food Cooking Machine Operators and	Operate or tend cooking equipment, such as steam cooking vats, deep fry cookers, pressure cookers, kettles, and boilers, to prepare food products.
Manufacturing	Production	51-3099.00	Food Processing Workers, All Other	All food processing workers not listed separately.
Manufacturing	Production	51-4022.00	Forging Machine Setters, Operators, a	Set up, operate, or tend forging machines to taper, shape, or form metal or plastic parts.
Manufacturing	Production	51-4071.00	Foundry Mold and Coremakers	Make or form wax or sand cores or molds used in the production of metal castings in foundries.
Manufacturing	Production	51-9051.00	Furnace, Kiln, Oven, Drier, and Kettle	Operate or tend heating equipment other than basic metal, plastic, or food processing equipment. Includes activities such as annealing glass, drying lumber, curing rubber, removing moisture from materials, or boiling soap.
Manufacturing	Production	51-7021.00	Furniture Finishers	Shape, finish, and refinish damaged, worn, or used furniture or new high-grade furniture to specified color or finish.
Manufacturing	Production	51-8092.00	Gas Plant Operators	Distribute or process gas for utility companies and others by controlling compressors to maintain specified pressures on main pipelines.
Manufacturing	Production	51-9071.06	Gem and Diamond Workers	Fabricate, finish, or evaluate the quality of gems and diamonds used in jewelry or industrial tools.
Manufacturing	Production	51-9195.04	Glass Blowers, Molders, Benders, and	Shape molten glass according to patterns.
Manufacturing	Production	51-9022.00	Grinding and Polishing Workers, Han	Grind, sand, or polish, using hand tools or hand-held power tools, a variety of metal, wood, stone, clay, plastic, or glass objects. Includes chippers, buffers, and finishers.
Manufacturing	Production	51-4033.00	Grinding, Lapping, Polishing, and Bu	Set up, operate, or tend grinding and related tools that remove excess material or burrs from surfaces, sharpen edges or corners, or buff, hone, or polish metal or plastic work pieces.
Manufacturing	Production	51-4191.00	Heat Treating Equipment Setters, Ope	Set up, operate, or tend heating equipment, such as heat-treating furnaces, flame-hardening machines, induction machines, soaking pits, or vacuum equipment to temper, harden, anneal, or heat treat metal or plastic objects.
Manufacturing	Production	51-9198.00	Helpers--Production Workers	Help production workers by performing duties requiring less skill. Duties include supplying or holding materials or tools, and cleaning work area and equipment.
Manufacturing	Production	51-8013.04	Hydroelectric Plant Technicians	Monitor and control activities associated with hydropower generation. Operate plant equipment, such as turbines, pumps, valves, gates, fans, electric control boards, and battery banks. Monitor equipment operation and performance and make necessary adjustments to ensure optimal performance. Perform equipment maintenance and r
Manufacturing	Production	51-9071.00	Jewelers and Precious Stone and Meta	Design, fabricate, adjust, repair, or appraise jewelry, gold, silver, other precious metals, or gems.
Manufacturing	Production	51-4034.00	Lathe and Turning Machine Tool Sett	Set up, operate, or tend lathe and turning machines to turn, bore, thread, form, or face metal or plastic materials, such as wire, rod, or bar stock.
Manufacturing	Production	51-4192.00	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, castings, or machine parts, for further processing. Includes shipfitters.
Manufacturing	Production	53-7063.00	Machine Feeders and Offbearers	Feed materials into or remove materials from machines or equipment that is automatic or tended by other workers.
Manufacturing	Production	51-4041.00	Machinists	Set up and operate a variety of machine tools to produce precision parts and instruments out of metal. Includes precision instrument makers who fabricate, modify, or repair mechanical instruments. May also fabricate and modify parts to make or repair machine tools or maintain industrial machines, applying knowledge of mechanics,
Manufacturing	Production	51-3022.00	Meat, Poultry, and Fish Cutters and Tr	Use hands or hand tools to perform routine cutting and trimming of meat, poultry, and seafood.
Manufacturing	Production	51-4199.00	Metal Workers and Plastic Workers, A	All metal workers and plastic workers not listed separately.
Manufacturing	Production	51-4051.00	Metal-Refining Furnace Operators and	Operate or tend furnaces, such as gas, oil, coal, electric-arc or electric induction, open-hearth, or oxygen furnaces, to melt and refine metal before casting or to produce specified types of steel.
Manufacturing	Production	51-4035.00	Milling and Planing Machine Setters,	Set up, operate, or tend milling or planing machines to mill, plane, shape, groove, or profile metal or plastic work pieces.
Manufacturing	Production	51-9023.00	Mixing and Blending Machine Setters	Set up, operate, or tend machines to mix or blend materials, such as chemicals, tobacco, liquids, color pigments, or explosive ingredients.
Manufacturing	Production	51-4061.00	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 metal or plastic objects. Includes template makers.
Manufacturing	Production	51-7031.00	Model Makers, Wood	Construct full-size and scale wooden precision models of products. Includes wood jig builders and loft workers.
Manufacturing	Production	51-9195.00	Molders, Shapers, and Casters, Excep	Mold, shape, form, cast, or carve products such as food products, figurines, tile, pipes, and candles consisting of clay, glass, plaster, concrete, stone, or combinations of materials.
Manufacturing	Production	51-4072.00	Molding, Coremaking, and Casting M	Set up, operate, or tend metal or plastic molding, casting, or coremaking machines to mold or cast metal or thermoplastic parts or products.
Manufacturing	Production	51-4081.00	Multiple Machine Tool Setters, Opera	Set up, operate, or tend more than one type of cutting or forming machine tool or robot.
Manufacturing	Production	51-8011.00	Nuclear Power Reactor Operators	Operate or control nuclear reactors. Move control rods, start and stop equipment, monitor and adjust controls, and record data in logs. Implement emergency procedures when needed. May respond to abnormalities, determine cause, and recommend corrective action.
Manufacturing	Production	51-9083.00	Ophthalmic Laboratory Technicians	Cut, grind, and polish eyeglasses, contact lenses, or other precision optical elements. Assemble and mount lenses into frames or process other optical elements. Includes precision lens polishers or grinders, centerer-edgers, and lens mounters.
Manufacturing	Production	51-9111.00	Packaging and Filling Machine Opera	Operate or tend machines to prepare industrial or consumer products for storage or shipment. Includes cannery workers who pack food products.
Manufacturing	Production	51-9123.00	Painting, Coating, and Decorating Wo	Paint, coat, or decorate articles, such as furniture, glass, plateware, pottery, jewelry, toys, books, or leather.
Manufacturing	Production	51-9196.00	Paper Goods Machine Setters, Operat	Set up, operate, or tend paper goods machines that perform a variety of functions, such as converting, sawing, corrugating, banding, wrapping, boxing, stitching, forming, or sealing paper or paperboard sheets into products.
Manufacturing	Production	51-4062.00	Patternmakers, Metal and Plastic	Lay out, machine, fit, and assemble castings and parts to metal or plastic foundry patterns, core boxes, or match plates.
Manufacturing	Production	51-7032.00	Patternmakers, Wood	Plan, lay out, and construct wooden unit or sectional patterns used in forming sand molds for castings.
Manufacturing	Production	51-8093.00	Petroleum Pump System Operators, R	Operate or control petroleum refining or processing units. May specialize in controlling manifold and pumping systems, gauging or testing oil in storage tanks, or regulating the flow of oil into pipelines.
Manufacturing	Production	51-9151.00	Photographic Process Workers and Pr	Perform work involved in developing and processing photographic images from film or digital media. May perform precision tasks such as editing photographic negatives and prints.
Manufacturing	Production	51-8099.00	Plant and System Operators, All Othe	All plant and system operators not listed separately.
Manufacturing	Production	51-4193.00	Plating Machine Setters, Operators, ar	Set up, operate, or tend plating machines to coat metal or plastic products with chromium, zinc, copper, cadmium, nickel, or other metal to protect or decorate surfaces. Typically, the product being coated is immersed in molten metal or an electrolytic solution.
Manufacturing	Production	51-9195.05	Potters, Manufacturing	Operate production machines such as pug mill, jigger machine, or potter's wheel to process clay in manufacture of ceramic, pottery and stoneware products.
Manufacturing	Production	51-4052.00	Pourers and Casters, Metal	Operate hand-controlled mechanisms to pour and regulate the flow of molten metal into molds to produce castings or ingots.
Manufacturing	Production	51-8012.00	Power Distributors and Dispatchers	Coordinate, regulate, or distribute electricity or steam.
Manufacturing	Production	51-8013.00	Power Plant Operators	Control, operate, or maintain machinery to generate electric power. Includes auxiliary equipment operators.
Manufacturing	Production	51-9199.00	Production Workers, All Other	All production workers not listed separately.
Manufacturing	Production	53-7062.04	Recycling and Reclamation Workers	Prepare and sort materials or products for recycling. Identify and remove hazardous substances. Dismantle components of products such as appliances.
Manufacturing	Production	51-4023.00	Rolling Machine Setters, Operators, a	Set up, operate, or tend machines to roll steel or plastic forming bends, beads, knurls, rolls, or plate, or to flatten, temper, or reduce gauge of material.
Manufacturing	Production	51-7041.00	Sawing Machine Setters, Operators, a	Set up, operate, or tend wood sawing machines. May operate computer numerically controlled (CNC) equipment. Includes lead sawyers.
Manufacturing	Production	51-9141.00	Semiconductor Processing Technician	Perform any or all of the following functions in the manufacture of electronic semiconductors: load semiconductor material into furnace; saw formed ingots into segments; load individual segment into crystal growing chamber and monitor controls; locate crystal axis in ingot using x-ray equipment and saw ingots into wafers; and clea
Manufacturing	Production	51-9012.00	Separating, Filtering, Clarifying, Prec	Set up, operate, or tend continuous flow or vat-type equipment; filter presses; shaker screens; centrifuges; condenser tubes; precipitating, fermenting, or evaporating tanks; scrubbing towers; or batch stills. These machines extract, sort, or separate liquids, gases, or solids from other materials to recover a refined product. Includes dairy
Manufacturing	Production	51-6051.00	Sewers, Hand	Sew, join, reinforce, or finish, usually with needle and thread, a variety of manufactured items. Includes weavers and stitchers.
Manufacturing	Production	51-6031.00	Sewing Machine Operators	Operate or tend sewing machines to join, reinforce, decorate, or perform related sewing operations in the manufacture of garment or nongarment products.
Manufacturing	Production	51-6041.00	Shoe and Leather Workers and Repair	Construct, decorate, or repair leather and leather-like products, such as luggage, shoes, and saddles. May use hand tools.
Manufacturing	Production	51-6042.00	Shoe Machine Operators and Tenders	Operate or tend a variety of machines to join, decorate, reinforce, or finish shoes and shoe parts.
Manufacturing	Production	51-3023.00	Slaughterers and Meat Packers	Perform nonroutine or precision functions involving the preparation of large portions of meat. Work may include specialized slaughtering tasks, cutting standard or premium cuts of meat for marketing, making sausage, or wrapping meats. Work typically occurs in slaughtering, meat packing, or wholesale establishments.
Manufacturing	Production	51-9195.03	Stone Cutters and Carvers, Manufactu	Cut or carve stone according to diagrams and patterns.
Manufacturing	Production	51-2092.00	Team Assemblers	Work as part of a team having responsibility for assembling an entire product or component of a product. Team assemblers can perform all tasks conducted by the team in the assembly process and rotate through all or most of them, rather than being assigned to a specific task on a permanent basis. May participate in making managem
Manufacturing	Production	51-6061.00	Textile Bleaching and Dyeing Machin	Operate or tend machines to bleach, shrink, wash, dye, or finish textiles or synthetic or glass fibers.
Manufacturing	Production	51-6062.00	Textile Cutting Machine Setters, Oper	Set up, operate, or tend machines that cut textiles.
Manufacturing	Production	51-6063.00	Textile Knitting and Weaving Machin	Set up, operate, or tend machines that knit, loop, weave, or draw in textiles.
Manufacturing	Production	51-6064.00	Textile Winding, Twisting, and Drawi	Set up, operate, or tend machines that wind or twist textiles; or draw out and combine sliver, such as wool, hemp, or synthetic fibers. Includes slubber machine and drawing frame operators.
Manufacturing	Production	51-6099.00	Textile, Apparel, and Furnishings Wor	All textile, apparel, and furnishings workers not listed separately.
Manufacturing	Production	51-2061.00	Timing Device Assemblers and Adjus	Perform precision assembling or adjusting, within narrow tolerances, of timing devices such as digital clocks or timing devices with electrical or electronic components.
Manufacturing	Production	51-9197.00	Tire Builders	Operate machines to build tires.
Manufacturing	Production	51-4111.00	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, cutting tools, jigs, fixtures, gauges, and machinists' hand tools.
Manufacturing	Production	51-4194.00	Tool Grinders, Filers, and Sharpeners	Perform precision smoothing, sharpening, polishing, or grinding of metal objects.
Manufacturing	Production	51-6093.00	Upholsterers	Make, repair, or replace upholstery for household furniture or transportation vehicles.
Manufacturing	Production	51-4121.00	Welders, Cutters, Solderers, and Braz	Use hand-welding, flame-cutting, hand-soldering, or brazing equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products.
Manufacturing	Production	51-4122.00	Welding, Soldering, and Brazing Mac	Set up, operate, or tend welding, soldering, or brazing machines or robots that weld, braze, solder, or heat treat metal products, components, or assemblies. Includes workers who operate laser cutters or laser-beam machines.
Manufacturing	Production	51-7099.00	Woodworkers, All Other	All woodworkers not listed separately.

Manufacturing	Production	51-7042.00	Woodworking Machine Setters, Opera	Set up, operate, or tend woodworking machines, such as drill presses, lathes, shapers, routers, sanders, planers, and wood nailing machines. May operate computer numerically controlled (CNC) equipment.
Manufacturing	Quality Assurance	51-9061.00	Inspectors, Testers, Sorters, Samplers,	Inspect, test, sort, sample, or weigh nonagricultural raw materials or processed, machined, fabricated, or assembled parts or products for defects, wear, and deviations from specifications. May use precision measuring instruments and complex test equipment.
Manufacturing	Quality Assurance	43-5061.00		Coordinate and expedite the flow of work and materials within or between departments of an establishment according to production schedule. Duties include reviewing and distributing production, work, and shipment schedules; conferring with department supervisors to determine progress of work and completion dates; and compilin
Manufacturing	Quality Assurance	43-5111.00	Weighers, Measurers, Checkers, and S	Weigh, measure, and check materials, supplies, and equipment for the purpose of keeping relevant records. Duties are primarily clerical by nature. Includes workers who collect and keep record of samples of products or materials.
Marketing	Marketing Communications	27-3031.00	Public Relations Specialists	Promote or create an intended public image for individuals, groups, or organizations. May write or select material for release to various communications media. May specialize in using social media.
Marketing	Marketing Management	11-2011.00	Advertising and Promotions Manager	Plan, direct, or coordinate advertising policies and programs or produce collateral materials, such as posters, contests, coupons, or giveaways, to create extra interest in the purchase of a product or service for a department, an entire organization, or on an account basis.
Marketing	Marketing Management	11-2033.00	Fundraising Managers	Plan, direct, or coordinate activities to solicit and maintain funds for special projects or nonprofit organizations.
Marketing	Marketing Management	11-2021.00	Marketing Managers	Plan, direct, or coordinate marketing policies and programs, such as determining the demand for products and services offered by a firm and its competitors, and identify potential customers. Develop pricing strategies with the goal of maximizing the firm's profits or share of the market while ensuring the firm's customers are satisfied.
Marketing	Marketing Management	11-9141.00	Property, Real Estate, and Community	Plan, direct, or coordinate the selling, buying, leasing, or governance activities of commercial, industrial, or residential real estate properties. Includes managers of homeowner and condominium associations, rented or leased housing units, buildings, or land (including rights-of-way).
Marketing	Marketing Management	11-2032.00	Public Relations Managers	Plan, direct, or coordinate activities designed to create or maintain a favorable public image or raise issue awareness for their organization or client.
Marketing	Marketing Management	11-2022.00	Sales Managers	Plan, direct, or coordinate the actual distribution or movement of a product or service to the customer. Coordinate sales distribution by establishing sales territories, quotas, and goals and establish training programs for sales representatives. Analyze sales statistics gathered by staff to determine sales potential and inventory requirement
Marketing	Marketing Research	13-1161.00	Market Research Analysts and Market	Research conditions in local, regional, national, or online markets. Gather information to determine potential sales of a product or service, or plan a marketing or advertising campaign. May gather information on competitors, prices, sales, and methods of marketing and distribution. May employ search marketing tactics, analyze web m
Marketing	Merchandising	27-1026.00	Merchandise Displayers and Window	Plan and erect commercial displays, such as those in windows and interiors of retail stores and at trade exhibitions.
Marketing	Merchandising	41-9012.00	Models	Model garments or other apparel and accessories for prospective buyers at fashion shows, private showings, or retail establishments. May pose for photos to be used in magazines or advertisements. May pose as subject for paintings, sculptures, and other types of artistic expression.
Marketing	Merchandising	13-1022.00	Wholesale and Retail Buyers, Except	Buy merchandise or commodities, other than farm products, for resale to consumers at the wholesale or retail level, including both durable and nondurable goods. Analyze past buying trends, sales records, price, and quality of merchandise to determine value and yield. Select, order, and authorize payment for merchandise according to
Marketing	Professional Sales	41-3011.00	Advertising Sales Agents	Sell or solicit advertising space, time, or media in publications, signage, TV, radio, or Internet establishments or public spaces.
Marketing	Professional Sales	41-2011.00	Cashiers	Receive and disburse money in establishments other than financial institutions. May use electronic scanners, cash registers, or related equipment. May process credit or debit card transactions and validate checks.
Marketing	Professional Sales	41-2021.00	Counter and Rental Clerks	Receive orders, generally in person, for repairs, rentals, and services. May describe available options, compute cost, and accept payment.
Marketing	Professional Sales	41-9011.00	Demonstrators and Product Promoters	Demonstrate merchandise and answer questions for the purpose of creating public interest in buying the product. May sell demonstrated merchandise.
Marketing	Professional Sales	41-9091.00	Door-to-Door Sales Workers, News an	Sell goods or services door-to-door or on the street.
Marketing	Professional Sales	53-3031.00	Driver/Sales Workers	Drive truck or other vehicle over established routes or within an established territory and sell or deliver goods, such as food products, including restaurant take-out items, or pick up or deliver items such as commercial laundry. May also take orders, collect payment, or stock merchandise at point of delivery.
Marketing	Professional Sales	41-1012.00	First-Line Supervisors of Non-Retail S	Directly supervise and coordinate activities of sales workers other than retail sales workers. May perform duties such as budgeting, accounting, and personnel work, in addition to supervisory duties.
Marketing	Professional Sales	41-1011.00	First-Line Supervisors of Retail Sales	Directly supervise and coordinate activities of retail sales workers in an establishment or department. Duties may include management functions, such as purchasing, budgeting, accounting, and personnel work, in addition to supervisory duties.
Marketing	Professional Sales	41-2022.00	Parts Salespersons	Sell spare and replacement parts and equipment in repair shop or parts store.
Marketing	Professional Sales	41-9021.00	Real Estate Brokers	Operate real estate office, or work for commercial real estate firm, overseeing real estate transactions. Other duties usually include selling real estate or renting properties and arranging loans.
Marketing	Professional Sales	41-9022.00	Real Estate Sales Agents	Rent, buy, or sell property for clients. Perform duties such as study property listings, interview prospective clients, accompany clients to property site, discuss conditions of sale, and draw up real estate contracts. Includes agents who represent buyer.
Marketing	Professional Sales	41-2031.00	Retail Salespersons	Sell merchandise, such as furniture, motor vehicles, appliances, or apparel to consumers.
Marketing	Professional Sales	41-9099.00	Sales and Related Workers, All Other	All sales and related workers not listed separately.
Marketing	Professional Sales	41-9031.00	Sales Engineers	Sell business goods or services, the selling of which requires a technical background equivalent to a baccalaureate degree in engineering.
Marketing	Professional Sales	41-3091.00	Sales Representatives of Services, Exc	Sell services to individuals or businesses. May describe options or resolve client problems.
Marketing	Professional Sales	41-4012.00	Sales Representatives, Wholesale and	Sell goods for wholesalers or manufacturers to businesses or groups of individuals. Work requires substantial knowledge of items sold.
Marketing	Professional Sales	41-4011.00	Sales Representatives, Wholesale and	Sell goods for wholesalers or manufacturers where technical or scientific knowledge is required in such areas as biology, engineering, chemistry, and electronics, normally obtained from at least 2 years of postsecondary education.
Marketing	Professional Sales	41-4011.07	Solar Sales Representatives and Asses	Contact new or existing customers to determine their solar equipment needs, suggest systems or equipment, or estimate costs.
Marketing	Professional Sales	41-9041.00	Telemarketers	Solicit donations or orders for goods or services over the telephone.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2011.00	Aerospace Engineers	Perform engineering duties in designing, constructing, and testing aircraft, missiles, and spacecraft. May conduct basic and applied research to evaluate adaptability of materials and equipment to aircraft design and manufacture. May recommend improvements in testing equipment and techniques.
Science, Technology, Engineering & Mathematics	Engineering and Technology	11-9041.00	Architectural and Engineering Manag	Plan, direct, or coordinate activities in such fields as architecture and engineering or research and development in these fields.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2141.02	Automotive Engineers	Develop new or improved designs for vehicle structural members, engines, transmissions, or other vehicle systems, using computer-assisted design technology. Direct building, modification, or testing of vehicle or components.
Science, Technology, Engineering & Mathematics	Engineering and Technology	11-9041.01	Biofuels/Biodiesel Technology and Pr	Define, plan, or execute biofuels/biodiesel research programs that evaluate alternative feedstock and process technologies with near-term commercial potential.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2041.00	Chemical Engineers	Design chemical plant equipment and devise processes for manufacturing chemicals and products, such as gasoline, synthetic rubber, plastics, detergents, cement, paper, and pulp, by applying principles and technology of chemistry, physics, and engineering.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2061.00	Computer Hardware Engineers	Research, design, develop, or test computer or computer-related equipment for commercial, industrial, military, or scientific use. May supervise the manufacturing and installation of computer or computer-related equipment and components.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2071.00	Electrical Engineers	Research, design, develop, test, or supervise the manufacturing and installation of electrical equipment, components, or systems for commercial, industrial, military, or scientific use.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2072.00	Electronics Engineers, Except Compu	Research, design, develop, or test electronic components and systems for commercial, industrial, military, or scientific use employing knowledge of electronic theory and materials properties. Design electronic circuits and components for use in fields such as telecommunications, aerospace guidance and propulsion control, acoustics, c
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2199.03	Energy Engineers, Except Wind and S	Design, develop, or evaluate energy-related projects or programs to reduce energy costs or improve energy efficiency during the designing, building, or remodeling stages of construction. May specialize in electrical systems; heating, ventilation, and air-conditioning (HVAC) systems; green buildings; lighting; air quality; or energy pro
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2199.00	Engineers, All Other	All engineers not listed separately.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2111.02	Fire-Prevention and Protection Engine	Research causes of fires, determine fire protection methods, and design or recommend materials or equipment such as structural components or fire-detection equipment to assist organizations in safeguarding life and property against fire, explosion, and related hazards.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2141.01	Fuel Cell Engineers	Design, evaluate, modify, or construct fuel cell components or systems for transportation, stationary, or portable applications.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2111.00	Health and Safety Engineers, Except M	Promote worksite or product safety by applying knowledge of industrial processes, mechanics, chemistry, psychology, and industrial health and safety laws. Includes industrial product safety engineers.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2112.01	Human Factors Engineers and Ergono	Design objects, facilities, and environments to optimize human well-being and overall system performance, applying theory, principles, and data regarding the relationship between humans and respective technology. Investigate and analyze characteristics of human behavior and performance as it relates to the use of technology.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2112.00	Industrial Engineers	Design, develop, test, and evaluate integrated systems for managing industrial production processes, including human work factors, quality control, inventory control, logistics and material flow, cost analysis, and production coordination.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2112.03	Manufacturing Engineers	Design, integrate, or improve manufacturing systems or related processes. May work with commercial or industrial designers to refine product designs to increase producibility and decrease costs.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2121.00	Marine Engineers and Naval Architec	Design, develop, and evaluate the operation of marine vessels, ship machinery, and related equipment, such as power supply and propulsion systems.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2131.00	Materials Engineers	Evaluate materials and develop machinery and processes to manufacture materials for use in products that must meet specialized design and performance specifications. Develop new uses for known materials. Includes those engineers working with composite materials or specializing in one type of material, such as graphite, metal and
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2141.00	Mechanical Engineers	Perform engineering duties in planning and designing tools, engines, machines, and other mechanically functioning equipment. Oversee installation, operation, maintenance, and repair of equipment such as centralized heat, gas, water, and steam systems.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2199.05	Mechatronics Engineers	Research, design, develop, or test automation, intelligent systems, smart devices, or industrial systems control.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2199.06	Microsystems Engineers	Research, design, develop, or test microelectromechanical systems (MEMS) devices.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2151.00	Mining and Geological Engineers, Inc	Conduct subsurface surveys to identify the characteristics of potential land or mining development sites. May specify the ground support systems, processes, and equipment for safe, economical, and environmentally sound extraction or underground construction activities. May inspect areas for unsafe geological conditions, equipment
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2199.09	Nanosystems Engineers	Design, develop, or supervise the production of materials, devices, or systems of unique molecular or macromolecular composition, applying principles of nanoscale physics and electrical, chemical, or biological engineering.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2161.00	Nuclear Engineers	Conduct research on nuclear engineering projects or apply principles and theory of nuclear science to problems concerned with release, control, and use of nuclear energy and nuclear waste disposal.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2171.00	Petroleum Engineers	Devise methods to improve oil and gas extraction and production and determine the need for new or modified tool designs. Oversee drilling and offer technical advice.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2199.07	Photonics Engineers	Design technologies specializing in light information or light energy, such as laser or fiber optics technology.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2072.01	Radio Frequency Identification Devic	Design and implement radio frequency identification device (RFID) systems used to track shipments or goods.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2199.08	Robotics Engineers	Research, design, develop, or test robotic applications.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2199.11	Solar Energy Systems Engineers	Perform site-specific engineering analysis or evaluation of energy efficiency and solar projects involving residential, commercial, or industrial customers. Design solar domestic hot water and space heating systems for new and existing structures, applying knowledge of structural energy requirements, local climates, solar technology, a
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2112.02	Validation Engineers	Design or plan protocols for equipment or processes to produce products meeting internal and external purity, safety, and quality requirements.
Science, Technology, Engineering & Mathematics	Engineering and Technology	17-2199.10	Wind Energy Engineers	Design underground or overhead wind farm collector systems and prepare and develop site specifications.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-3091.00	Anthropologists and Archeologists	Study the origin, development, and behavior of human beings. May study the way of life, language, or physical characteristics of people in various parts of the world. May engage in systematic recovery and examination of material evidence, such as tools or pottery remaining from past human cultures, in order to determine the history
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-2011.00	Astronomers	Observe, research, and interpret astronomical phenomena to increase basic knowledge or apply such information to practical problems.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-2021.00	Atmospheric and Space Scientists	Investigate atmospheric phenomena and interpret meteorological data, gathered by surface and air stations, satellites, and radar to prepare reports and forecasts for public and other uses. Includes weather analysts and forecasters whose functions require the detailed knowledge of meteorology.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-1021.00	Biochemists and Biophysicists	Study the chemical composition or physical principles of living cells and organisms, their electrical and mechanical energy, and related phenomena. May conduct research to further understanding of the complex chemical combinations and reactions involved in metabolism, reproduction, growth, and heredity. May determine the effect
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-1029.01	Bioinformatics Scientists	Conduct research using bioinformatics theory and methods in areas such as pharmaceuticals, medical technology, biotechnology, computational biology, proteomics, computer information science, biology and medical informatics. May design databases and develop algorithms for processing and analyzing genomic information, or oth
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-1029.00	Biological Scientists, All Other	All biological scientists not listed separately.
Science, Technology, Engineering & Mathematics	Science and Mathematics	15-2041.01	Biostatisticians	Develop and apply biostatistical theory and methods to the study of life sciences.
Science, Technology, Engineering & Mathematics	Science and Mathematics	17-1021.00	Cartographers and Photogrammetrists	Research, study, and prepare maps and other spatial data in digital or graphic form for one or more purposes, such as legal, social, political, educational, and design purposes. May work with Geographic Information Systems (GIS). May design and evaluate algorithms, data structures, and user interfaces for GIS and mapping systems.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-2031.00	Chemists	Conduct qualitative and quantitative chemical analyses or experiments in laboratories for quality or process control or to develop new products or knowledge.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-2041.01	Climate Change Policy Analysts	Research and analyze policy developments related to climate change. Make climate-related recommendations for actions such as legislation, awareness campaigns, or fundraising approaches.
Science, Technology, Engineering & Mathematics	Science and Mathematics	15-2051.02	Clinical Data Managers	Apply knowledge of health care and database management to analyze clinical data, and to identify and report trends.
Science, Technology, Engineering & Mathematics	Science and Mathematics	15-1221.00	Computer and Information Research S	Conduct research into fundamental computer and information science as theorists, designers, or inventors. Develop solutions to problems in the field of computer hardware and software.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-1031.00	Conservation Scientists	Manage, improve, and protect natural resources to maximize their use without damaging the environment. May conduct soil surveys and develop plans to eliminate soil erosion or to protect rangelands. May instruct farmers, agricultural production managers, or ranchers in best ways to use crop rotation, contour plowing, or terracing to
Science, Technology, Engineering & Mathematics	Science and Mathematics	15-2051.00	Data Scientists	Develop and implement a set of techniques or analytics applications to transform raw data into meaningful information using data-oriented programming languages and visualization software. Apply data mining, data modeling, natural language processing, and machine learning to extract and analyze information from large structured
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-3011.00	Economists	Conduct research, prepare reports, or formulate plans to address economic problems related to the production and distribution of goods and services or monetary and fiscal policy. May collect and process economic and statistical data using sampling techniques and econometric methods.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-3011.01	Environmental Economists	Conduct economic analysis related to environmental protection and use of the natural environment, such as water, air, land, and renewable energy resources. Evaluate and quantify benefits, costs, incentives, and impacts of alternative options using economic principles and statistical techniques.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-2041.02	Environmental Restoration Planners	Collaborate with field and biology staff to oversee the implementation of restoration projects and to develop new products. Process and synthesize complex scientific data into practical strategies for restoration, monitoring or management.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-2041.00	Environmental Scientists and Speciali	Conduct research or perform investigation for the purpose of identifying, abating, or eliminating sources of pollutants or hazards that affect either the environment or public health. Using knowledge of various scientific disciplines, may collect, synthesize, study, report, and recommend action based on data derived from measurements
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-1029.03	Geneticists	Research and study the inheritance of traits at the molecular, organism or population level. May evaluate or treat patients with genetic disorders.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-3092.00	Geographers	Study the nature and use of areas of the Earth's surface, relating and interpreting interactions of physical and cultural phenomena. Conduct research on physical aspects of a region, including land forms, climates, soils, plants, and animals, and conduct research on the spatial implications of human activities within a given area, includin
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-2042.00	Geoscientists, Except Hydrologists an	Study the composition, structure, and other physical aspects of the Earth. May use geological, physics, and mathematics knowledge in exploration for oil, gas, minerals, or underground water; or in waste disposal, land reclamation, or other environmental problems. May study the Earth's internal composition, atmospheres, and oceans,
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-3093.00	Historians	Research, analyze, record, and interpret the past as recorded in sources, such as government and institutional records, newspapers and other periodicals, photographs, interviews, films, electronic media, and unpublished manuscripts, such as personal diaries and letters.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-2043.00	Hydrologists	Research the distribution, circulation, and physical properties of underground and surface waters; and study the form and intensity of precipitation and its rate of infiltration into the soil, movement through the earth, and return to the ocean and atmosphere.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-2041.03	Industrial Ecologists	Apply principles and processes of natural ecosystems to develop models for efficient industrial systems. Use knowledge from the physical and social sciences to maximize effective use of natural resources in the production and use of goods and services. Examine societal issues and their relationship with both technical systems and th
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-1099.00	Life Scientists, All Other	All life scientists not listed separately.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-4099.00	Life, Physical, and Social Science Tec	All life, physical, and social science technicians not listed separately.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-2032.00	Materials Scientists	Research and study the structures and chemical properties of various natural and synthetic or composite materials, including metals, alloys, rubber, ceramics, semiconductors, polymers, and glass. Determine ways to strengthen or combine materials or develop new materials with new or specific properties for use in a variety of product
Science, Technology, Engineering & Mathematics	Science and Mathematics	15-2099.00	Mathematical Science Occupations, A	All mathematical scientists not listed separately.
Science, Technology, Engineering & Mathematics	Science and Mathematics	15-2021.00	Mathematicians	Conduct research in fundamental mathematics or in application of mathematical techniques to science, management, and other fields. Solve problems in various fields using mathematical methods.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-1022.00	Microbiologists	Investigate the growth, structure, development, and other characteristics of microscopic organisms, such as bacteria, algae, or fungi. Includes medical microbiologists who study the relationship between organisms and disease or the effects of antibiotics on microorganisms.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-1029.02	Molecular and Cellular Biologists	Research and study cellular molecules and organelles to understand cell function and organization.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-1031.03	Park Naturalists	Plan, develop, and conduct programs to inform public of historical, natural, and scientific features of national, state, or local park.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-2099.00	Physical Scientists, All Other	All physical scientists not listed separately.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-2012.00	Physicists	Conduct research into physical phenomena, develop theories on the basis of observation and experiments, and devise methods to apply physical laws and theories.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-3094.00	Political Scientists	Study the origin, development, and operation of political systems. May study topics, such as public opinion, political decisionmaking, and ideology. May analyze the structure and operation of governments, as well as various political entities. May conduct public opinion surveys, analyze election results, or analyze public documents.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-4012.01	Precision Agriculture Technicians	Apply geospatial technologies, including geographic information systems (GIS) and Global Positioning System (GPS), to agricultural production or management activities, such as pest scouting, site-specific pesticide application, yield mapping, or variable-rate irrigation. May use computers to develop or analyze maps or remote sensi
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-4099.01	Quality Control Analysts	Conduct tests to determine quality of raw materials, bulk intermediate and finished products. May conduct stability sample tests.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-1031.02	Range Managers	Research or study range land management practices to provide sustained production of forage, livestock, and wildlife.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-2099.01	Remote Sensing Scientists and Techno	Apply remote sensing principles and methods to analyze data and solve problems in areas such as natural resource management, urban planning, or homeland security. May develop new sensor systems, analytical techniques, or new applications for existing systems.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-4099.03	Remote Sensing Technicians	Apply remote sensing technologies to assist scientists in areas such as natural resources, urban planning, or homeland security. May prepare flight plans or sensor configurations for flight trips.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-4061.00	Social Science Research Assistants	Assist social scientists in laboratory, survey, and other social science research. May help prepare findings for publication and assist in laboratory analysis, quality control, or data management.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-3099.00	Social Scientists and Related Workers	All social scientists and related workers not listed separately.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-3041.00	Sociologists	Study human society and social behavior by examining the groups and social institutions that people form, as well as various social, religious, political, and business organizations. May study the behavior and interaction of groups, trace their origin and growth, and analyze the influence of group activities on individual members.
Science, Technology, Engineering & Mathematics	Science and Mathematics	15-2041.00	Statisticians	Develop or apply mathematical or statistical theory and methods to collect, organize, interpret, and summarize numerical data to provide usable information. May specialize in fields such as biostatistics, agricultural statistics, business statistics, or economic statistics. Includes mathematical and survey statisticians.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-3022.00	Survey Researchers	Plan, develop, or conduct surveys. May analyze and interpret the meaning of survey data, determine survey objectives, or suggest or test question wording. Includes social scientists who primarily design questionnaires or supervise survey teams.
Science, Technology, Engineering & Mathematics	Science and Mathematics	19-3099.01	Transportation Planners	Prepare studies for proposed transportation projects. Gather, compile, and analyze data. Study the use and operation of transportation systems. Develop transportation models or simulations.
Transportation, Distribution & Logistics	Facility and Mobile Equipment Maintena	49-3011.00	Aircraft Mechanics and Service Techn	Diagnose, adjust, repair, or overhaul aircraft engines and assemblies, such as hydraulic and pneumatic systems.
Transportation, Distribution & Logistics	Facility and Mobile Equipment Maintena	53-6031.00	Automotive and Watercraft Service At	Service automobiles, buses, trucks, boats, and other automotive or marine vehicles with fuel, lubricants, and accessories. Collect payment for services and supplies. May lubricate vehicle, change motor oil, refill antifreeze, or replace lights or other accessories, such as windshield wiper blades or fan belts. May repair or replace tires.
Transportation, Distribution & Logistics	Facility and Mobile Equipment Maintena	49-3021.00	Automotive Body and Related Repair	Repair and refinish automotive vehicle bodies and straighten vehicle frames.
Transportation, Distribution & Logistics	Facility and Mobile Equipment Maintena	49-3022.00	Automotive Glass Installers and Repa	Replace or repair broken windshields and window glass in motor vehicles.
Transportation, Distribution & Logistics	Facility and Mobile Equipment Maintena	49-3023.00	Automotive Service Technicians and M	Diagnose, adjust, repair, or overhaul automotive vehicles.
Transportation, Distribution & Logistics	Facility and Mobile Equipment Maintena	49-2091.00	Avionics Technicians	Install, inspect, test, adjust, or repair avionics equipment, such as radar, radio, navigation, and missile control systems in aircraft or space vehicles.
Transportation, Distribution & Logistics	Facility and Mobile Equipment Maintena	49-3091.00	Bicycle Repairers	Repair and service bicycles.
Transportation, Distribution & Logistics	Facility and Mobile Equipment Maintena	49-3031.00	Bus and Truck Mechanics and Diesel	Diagnose, adjust, repair, or overhaul buses and trucks, or maintain and repair any type of diesel engines. Includes mechanics working primarily with automobile or marine diesel engines.
Transportation, Distribution & Logistics	Facility and Mobile Equipment Maintena	53-7061.00	Cleaners of Vehicles and Equipment	Wash or otherwise clean vehicles, machinery, and other equipment. Use such materials as water, cleaning agents, brushes, cloths, and hoses.
Transportation, Distribution & Logistics	Facility and Mobile Equipment Maintena	49-2093.00	Electrical and Electronics Installers an	Install, adjust, or maintain mobile electronics communication equipment, including sound, sonar, security, navigation, and surveillance systems on trains, watercraft, or other mobile equipment.
Transportation, Distribution & Logistics	Facility and Mobile Equipment Maintena	49-2096.00	Electronic Equipment Installers and R	Install, diagnose, or repair communications, sound, security, or navigation equipment in motor vehicles.
Transportation, Distribution & Logistics	Facility and Mobile Equipment Maintena	49-3042.00	Mobile Heavy Equipment Mechanics,	Diagnose, adjust, repair, or overhaul mobile mechanical, hydraulic, and pneumatic equipment, such as cranes, bulldozers, graders, and conveyors, used in construction, logging, and mining.
Transportation, Distribution & Logistics	Facility and Mobile Equipment Maintena	49-3051.00	Motorboat Mechanics and Service Tec	Repair and adjust electrical and mechanical equipment of inboard or inboard-outboard boat engines.
Transportation, Distribution & Logistics	Facility and Mobile Equipment Maintena	49-3052.00	Motorcycle Mechanics	Diagnose, adjust, repair, or overhaul motorcycles, scooters, mopeds, dirt bikes, or similar motorized vehicles.
Transportation, Distribution & Logistics	Facility and Mobile Equipment Maintena	49-3043.00	Rail Car Repairers	Diagnose, adjust, repair, or overhaul railroad rolling stock, mine cars, or mass transit rail cars.
Transportation, Distribution & Logistics	Facility and Mobile Equipment Maintena	47-4061.00	Rail-Track Laying and Maintenance E	Lay, repair, and maintain track for standard or narrow-gauge railroad equipment used in regular railroad service or in plant yards, quarries, sand and gravel pits, and mines. Includes ballast cleaning machine operators and railroad bed tamping machine operators.
Transportation, Distribution & Logistics	Facility and Mobile Equipment Maintena	49-3092.00	Recreational Vehicle Service Technici	Diagnose, inspect, adjust, repair, or overhaul recreational vehicles including travel trailers. May specialize in maintaining gas, electrical, hydraulic, plumbing, or chassis/towing systems as well as repairing generators, appliances, and interior components. Includes workers who perform customized van conversions.
Transportation, Distribution & Logistics	Facility and Mobile Equipment Maintena	49-9097.00	Signal and Track Switch Repairers	Install, inspect, test, maintain, or repair electric gate crossings, signals, signal equipment, track switches, section lines, or intercommunications systems within a railroad system.
Transportation, Distribution & Logistics	Facility and Mobile Equipment Maintena	49-3093.00	Tire Repairers and Changers	Repair and replace tires.
Transportation, Distribution & Logistics	Logistics Planning and Management Serv	43-5032.00	Dispatchers, Except Police, Fire, and A	Schedule and dispatch workers, work crews, equipment, or service vehicles for conveyance of materials, freight, or passengers, or for normal installation, service, or emergency repairs rendered outside the place of business. Duties may include using radio, telephone, or computer to transmit assignments and compiling statistics and rep
Transportation, Distribution & Logistics	Logistics Planning and Management Serv	13-1081.00	Logisticians	Analyze and coordinate the ongoing logistical functions of a firm or organization. Responsible for the entire life cycle of a product, including acquisition, distribution, internal allocation, delivery, and final disposal of resources.
Transportation, Distribution & Logistics	Logistics Planning and Management Serv	13-1081.02	Logistics Analysts	Analyze product delivery or supply chain processes to identify or recommend changes. May manage route activity including invoicing, electronic bills, and shipment tracing.
Transportation, Distribution & Logistics	Logistics Planning and Management Serv	13-1081.01	Logistics Engineers	Design or analyze operational solutions for projects such as transportation optimization, network modeling, process and methods analysis, cost containment, capacity enhancement, routing and shipment optimization, or information management.
Transportation, Distribution & Logistics	Logistics Planning and Management Serv	11-3071.00	Transportation, Storage, and Distribut	Plan, direct, or coordinate transportation, storage, or distribution activities in accordance with organizational policies and applicable government laws or regulations. Includes logistics managers.
Transportation, Distribution & Logistics	Sales and Service	43-3021.00	Billing and Posting Clerks	Compile, compute, and record billing, accounting, statistical, and other numerical data for billing purposes. Prepare billing invoices for services rendered or for delivery or shipment of goods.
Transportation, Distribution & Logistics	Sales and Service	43-5011.00	Cargo and Freight Agents	Expedite and route movement of incoming and outgoing cargo and freight shipments in airline, train, and trucking terminals and shipping docks. Take orders from customers and arrange pickup of freight and cargo for delivery to loading platform. Prepare and examine bills of lading to determine shipping charges and tariffs.
Transportation, Distribution & Logistics	Sales and Service	43-5011.01	Freight Forwarders	Research rates, routings, or modes of transport for shipment of products. Maintain awareness of regulations affecting the international movement of cargo. Make arrangements for additional services, such as storage or inland transportation.
Transportation, Distribution & Logistics	Sales and Service	53-6021.00	Parking Attendants	Park vehicles or issue tickets for customers in a parking lot or garage. May park or tend vehicles in environments such as a car dealership or rental car facility. May collect fee.
Transportation, Distribution & Logistics	Transportation Operations	53-1041.00	Aircraft Cargo Handling Supervisors	Supervise and coordinate the activities of ground crew in the loading, unloading, securing, and staging of aircraft cargo or baggage. May determine the quantity and orientation of cargo and compute aircraft center of gravity. May accompany aircraft as member of flight crew and monitor and handle cargo in flight, and assist and brief p
Transportation, Distribution & Logistics	Transportation Operations	53-6032.00	Aircraft Service Attendants	Service aircraft with fuel. May de-ice aircraft, refill water and cooling agents, empty sewage tanks, service air and oxygen systems, or clean and polish exterior.
Transportation, Distribution & Logistics	Transportation Operations	53-2011.00	Airline Pilots, Copilots, and Flight En	Pilot and navigate the flight of fixed-wing aircraft, usually on scheduled air carrier routes, for the transport of passengers and cargo. Requires Federal Air Transport certificate and rating for specific aircraft type used. Includes regional, national, and international airline pilots and flight instructors of airline pilots.
Transportation, Distribution & Logistics	Transportation Operations	53-3011.00	Ambulance Drivers and Attendants, E	Drive ambulance or assist ambulance driver in transporting sick, injured, or convalescent persons. Assist in lifting patients.
Transportation, Distribution & Logistics	Transportation Operations	53-6011.00	Bridge and Lock Tenders	Operate and tend bridges, canal locks, and lighthouses to permit marine passage on inland waterways, near shores, and at danger points in waterway passages. May supervise such operations. Includes drawbridge operators, lock operators, and slip bridge operators.
Transportation, Distribution & Logistics	Transportation Operations	53-3051.00	Bus Drivers, School	Drive a school bus to transport students. Ensure adherence to safety rules. May assist students in boarding or exiting.
Transportation, Distribution & Logistics	Transportation Operations	53-3052.00	Bus Drivers, Transit and Intercity	Drive bus or motor coach, including regular route operations, charters, and private carriage. May assist passengers with baggage. May collect fares or tickets.
Transportation, Distribution & Logistics	Transportation Operations	53-5021.00	Captains, Mates, and Pilots of Water V	Command or supervise operations of ships and water vessels, such as tugboats and ferryboats. Required to hold license issued by U.S. Coast Guard.
Transportation, Distribution & Logistics	Transportation Operations	53-2012.00	Commercial Pilots	Pilot and navigate the flight of fixed-wing aircraft on nonscheduled air carrier routes, or helicopters. Requires Commercial Pilot certificate. Includes charter pilots with similar certification, and air ambulance and air tour pilots. Excludes regional, national, and international airline pilots.
Transportation, Distribution & Logistics	Transportation Operations	43-5021.00	Couriers and Messengers	Pick up and deliver messages, documents, packages, and other items between offices or departments within an establishment or directly to other business concerns, traveling by foot, bicycle, motorcycle, automobile, or public conveyance.
Transportation, Distribution & Logistics	Transportation Operations	53-1042.00	First-Line Supervisors of Helpers, Lab	Directly supervise and coordinate the activities of helpers, laborers, or material movers, hand.
Transportation, Distribution & Logistics	Transportation Operations	53-1043.00	First-Line Supervisors of Material-Mo	Directly supervise and coordinate activities of material-moving machine and vehicle operators and helpers.
Transportation, Distribution & Logistics	Transportation Operations	53-1049.00	First-Line Supervisors of Transportati	All first-line supervisors of transportation workers not listed separately.
Transportation, Distribution & Logistics	Transportation Operations	53-2031.00	Flight Attendants	Monitor safety of the aircraft cabin. Provide services to airline passengers, explain safety information, serve food and beverages, and respond to emergency incidents.
Transportation, Distribution & Logistics	Transportation Operations	53-7071.00	Gas Compressor and Gas Pumping St	Operate steam-, gas-, electric motor-, or internal combustion-engine driven compressors. Transmit, compress, or recover gases, such as butane, nitrogen, hydrogen, and natural gas.
Transportation, Distribution & Logistics	Transportation Operations	53-3032.00	Heavy and Tractor-Trailer Truck Driv	Drive a tractor-trailer combination or a truck with a capacity of at least 26,001 pounds Gross Vehicle Weight (GVW). May be required to unload truck. Requires commercial drivers' license. Includes tow truck drivers.
Transportation, Distribution & Logistics	Transportation Operations	53-7051.00	Industrial Truck and Tractor Operators	Operate industrial trucks or tractors equipped to move materials around a warehouse, storage yard, factory, construction site, or similar location.
Transportation, Distribution & Logistics	Transportation Operations	53-7062.00	Laborers and Freight, Stock, and Mate	Manually move freight, stock, luggage, or other materials, or perform other general labor. Includes all manual laborers not elsewhere classified.
Transportation, Distribution & Logistics	Transportation Operations	53-3033.00	Light Truck Drivers	Drive a light vehicle, such as a truck or van, with a capacity of less than 26,001 pounds Gross Vehicle Weight (GVW), primarily to pick up merchandise or packages from a distribution center and deliver. May load and unload vehicle.
Transportation, Distribution & Logistics	Transportation Operations	53-4011.00	Locomotive Engineers	Drive electric, diesel-electric, steam, or gas-turbine-electric locomotives to transport passengers or freight. Interpret train orders, electronic or manual signals, and railroad rules and regulations.
Transportation, Distribution & Logistics	Transportation Operations	53-3099.00	Motor Vehicle Operators, All Other	All motor vehicle operators not listed separately.
Transportation, Distribution & Logistics	Transportation Operations	53-5022.00	Motorboat Operators	Operate small motor-driven boats. May assist in navigational activities.
Transportation, Distribution & Logistics	Transportation Operations	53-7064.00	Packers and Packagers, Hand	Pack or package by hand a wide variety of products and materials.
Transportation, Distribution & Logistics	Transportation Operations	53-6061.00	Passenger Attendants	Provide services to ensure the safety of passengers aboard ships, buses, trains, or within the station or terminal. Perform duties such as explaining the use of safety equipment, serving meals or beverages, or answering questions related to travel.
Transportation, Distribution & Logistics	Transportation Operations	53-7072.00	Pump Operators, Except Wellhead Pu	Tend, control, or operate power-driven, stationary, or portable pumps and manifold systems to transfer gases, oil, other liquids, slurries, or powdered materials to and from various vessels and processes.
Transportation, Distribution & Logistics	Transportation Operations	53-4099.00	Rail Transportation Workers, All Othe	All rail transportation workers not listed separately.
Transportation, Distribution & Logistics	Transportation Operations	53-4013.00	Rail Yard Engineers, Dinkey Operator	Drive switching or other locomotive or dinkey engines within railroad yard, industrial plant, quarry, construction project, or similar location.
Transportation, Distribution & Logistics	Transportation Operations	53-4022.00	Railroad Brake, Signal, and Switch O	Operate or monitor railroad track switches or locomotive instruments. May couple or uncouple rolling stock to make up or break up trains. Watch for and relay traffic signals. May inspect couplings, air hoses, journal boxes, and hand brakes. May watch for dragging equipment or obstacles on rights-of-way.
Transportation, Distribution & Logistics	Transportation Operations	53-4031.00	Railroad Conductors and Yardmasters	Coordinate activities of switch-engine crew within railroad yard, industrial plant, or similar location. Conductors coordinate activities of train crew on passenger or freight trains. Yardmasters review train schedules and switching orders and coordinate activities of workers engaged in railroad traffic operations, such as the makeup or br
Transportation, Distribution & Logistics	Transportation Operations	53-1042.01	Recycling Coordinators	Supervise curbside and drop-off recycling programs for municipal governments or private firms.
Transportation, Distribution & Logistics	Transportation Operations	53-5011.00	Sailors and Marine Oilers	Stand watch to look for obstructions in path of vessel, measure water depth, turn wheel on bridge, or use emergency equipment as directed by captain, mate, or pilot. Break out, rig, overhaul, and store cargo-handling gear, stationary rigging, and running gear. Perform a variety of maintenance tasks to preserve the painted surface of the
Transportation, Distribution & Logistics	Transportation Operations	53-5031.00	Ship Engineers	Supervise and coordinate activities of crew engaged in operating and maintaining engines, boilers, deck machinery, and electrical, sanitary, and refrigeration equipment aboard ship.
Transportation, Distribution & Logistics	Transportation Operations	53-3053.00	Shuttle Drivers and Chauffeurs	Drive a motor vehicle to transport passengers on a planned or scheduled basis. May collect a fare. Includes nonemergency medical transporters and hearse drivers.
Transportation, Distribution & Logistics	Transportation Operations	53-4041.00	Subway and Streetcar Operators	Operate subway or elevated suburban trains with no separate locomotive, or electric-powered streetcar, to transport passengers. May handle fares.
Transportation, Distribution & Logistics	Transportation Operations	53-7121.00	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 moving equipment. May perform a variety of other tasks relating to shipment of products. May gauge or sample shipping tanks and test them for leaks.
Transportation, Distribution & Logistics	Transportation Operations	53-3054.00	Taxi Drivers	Drive a motor vehicle to transport passengers on an unplanned basis and charge a fare, usually based on a meter.
Transportation, Distribution & Logistics	Transportation Operations	53-6099.00	Transportation Workers, All Other	All transportation workers not listed separately.
Transportation, Distribution & Logistics	Transportation Operations	53-7073.00	Wellhead Pumpers	Operate power pumps and auxiliary equipment to produce flow of oil or gas from wells in oil field.
Transportation, Distribution & Logistics	Transportation Systems/Infrastructure Pla	53-2021.00	Air Traffic Controllers	Control air traffic on and within vicinity of airport, and movement of air traffic between altitude sectors and control centers, according to established procedures and policies. Authorize, regulate, and control commercial airline flights according to government or company regulations to expedite and ensure flight safety.
Transportation, Distribution & Logistics	Transportation Systems/Infrastructure Pla	53-2022.00	Airfield Operations Specialists	Ensure the safe takeoff and landing of commercial and military aircraft. Duties include coordination between air-traffic control and maintenance personnel, dispatching, using airfield landing and navigational aids, implementing airfield safety procedures, monitoring and maintaining flight records, and applying knowledge of weather i
Transportation, Distribution & Logistics	Transportation Systems/Infrastructure Pla	53-6041.00	Traffic Technicians	Conduct field studies to determine traffic volume, speed, effectiveness of signals, adequacy of lighting, and other factors influencing traffic conditions, under direction of traffic engineer.